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Number 22

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June 2, 1941



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# Oil, Paint and Drug Reporter

*Founded 1871 by William O. Allison*
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## Cottonseed Products Ass'n Told To Avoid Further Price Rises

Substituting wood pulp for chemical linters might result from speculative price rise in cotton linters, C. W. Wallace, president of the National Cottonseed Products Association, warned in his address at the opening of the association's annual convention, held in the Roosevelt hotel, New Orleans, May 19-21. The Army, Mr. Wallace, said, has very definite ideas of what price it will pay.

Mr. Wallace said that the Army estimates, on the basis of a 12,000,000 bale crop next year, that there will be enough chemical linters produced on the basis of linting practices prevailing last year, to supply a normal commercial chemical demand, as well as to supply the Army until August, 1942. This, he said, of course considers stocks of both linters and pulp now on hand. However, he warned the estimates furnished by the Army may change any day.

The association, Mr. Wallace said, has been requested to secure monthly information as to quantity, cuts of various grades, seed movements and other information, so that the government will know exactly the available supply at all times. He added that the Army was not interested in raw linters, but was buying the finished pulp, purified cellulose or bleached lint. Regarding wages and hours, Mr. Wallace said:—

### Wages-Hours Ruling

When the wages and hours act was passed, section 7c of the act exempted

—*Continued on page* 47

## Purchasing Agents Discuss Prices and Defense Problems

*Chicago, May 29, 1941*

Discussion of problems originating from the national defense program featured the twenty-sixth annual international convention of the National Association of Purchasing Agents, held in the Stevens hotel, May 26-29. Approximately 2,000 members and guests were in attendance.

F. Albert Hayes, of the American Hide & Leather Company, Boston, was elected president. Regional vice-presidents elected were:—Robert L. Grube, Stephens-Adamson Manufacturing Company, Los Angeles; B. R. Newberry, Lone Star Gas Company, Dallas; B. B. Countryman, Minnesota Mining and Manufacturing Company, St. Paul; C. E. Drake, National Standards Company, Niles, Mich.; Cecil C. Callowhill, American Can Company, Hamilton, Ont.; W. E. Bittner, Diamond Alkali Company, Pittsburgh; J. M. Gamble, Standard-Coosa-Thatcher Company, Chattanooga; R. C. Haberkern, R. J. Reynolds Tobacco Company, Winston-Salem, N. C., and B. G. Byrne, New England Butt Company, Providence.

### Shortages Feared

Shortages and increasing prices of foods, clothing, soaps, paints, drugs, fibers, crude drugs and other products from the Far East will be faced by consumers in the months ahead because cargo space customarily used to move such goods has been usurped to carry rubber for the manufacture of tires for civilians' automobiles, Col. George S. Brady, of the Office of Price Administration and Civilian Supply, warned. Col. Brady urged the avoidance of any wholesale introduction of substitutes in the defense industries.

### Larger Production Asked

Donald M. Nelson, director of purchases of the Office of Production Management, who was presented with the J. Shipman Gold Medal Award of the association, urged industry to boost its production of war goods to $35,000,000 annually. He emphasized that such a speedup was necessary to match the output of Germany

Mr. Nelson warned of the necessity for the government handling its own purchasing problems with extreme care. Unless this is done and a careful watch maintained on prices it would be easy, he said, for runaway price inflation to develop. He held prevention of price spiraling to be the "greatest single problem we have in the country today." He added:—

> If we allow prices to run away, so that costs and wages start to chase each other up in an ever widening spiral, we are going to have a really terrific deflation afterward, I doubt very much whether even as great a country as ours can stand two great deflations in one lifetime without bringing about fundamental changes in its form of government and its economic system.

—*Continued on page* 58

## *President Proclaims Emergency*

Whereas, on September 8, 1939, because of the outbreak of war in Europe a proclamation was issued declaring a limited national emergency and directing measures "for the purpose of strengthening our national defense within the limits of peacetime authorizations."

Whereas, a succession of events makes plain that the objectives of the Axis belligerents in such war are not confined to those avowed at its commencement, but include overthrow throughout the world of existing democratic order, and a world-wide domination of peoples and economies through the destruction of all resistance on land and sea and in the air; and

Whereas, indifference on the part of the United States to the increasing menace would be perilous, and common prudence requires that for the security of this nation and of this hemisphere we should pass from peacetime authorizations of military strength to such a basis as will enable us to cope instantly and decisively with any attempt at hostile encirclement of this hemisphere, or the establishment of any base for aggression against it, as well as to repel the threat of predatory incursion by foreign agents into our territory and society,

Now, therefore, I, Franklin D. Roosevelt, President of the United States of America, do proclaim that an unlimited national emergency confronts this country, which requires that its military, naval, air and civilian defenses be put on the basis of readiness to repel any and all acts or threats of aggression directed toward any part of the Western Hemisphere.

I call upon all the loyal citizens engaged in production for defense to give precedence to the needs of the nation to the end that a system of government that makes private enterprise possible may survive.

I call upon our loyal workmen as well as employers to merge their lesser differences in the larger effort to insure the survival of the only kind of government which recognizes the rights of labor or of capital.

I call upon loyal State and local leaders and officials to cooperate with the civilian defense agencies of the United States to assure our internal security against foreign directed subversion and to put every community in order for maximum productive effort and minimum of waste and unnecessary frictions.

I call upon all loyal citizens to place the nation's needs first in mind and in action to the end that we may mobilize and have ready for instant defensive use all of the physical powers, all of the moral strength and all of the material resources of this nation.

In witness whereof I have hereunto set my hand and caused the seal of the United States of America to be affixed.

Done at the City of Washington this twenty-seventh day of May, in the Year of Our Lord Nineteen Hundred and Forty-one, and of the Independence of

[seal] The United States of America the One Hundred and Sixty-fifth.

FRANKLIN D. ROOSEVELT.

By the President:
CORDELL HULL, Secretary of State.

## O'Neill to Handle Priority Operations

*OPD Washington Bureau*
*May 28, 1941*

James L. O'Neill, operating vice-president of the Guaranty Trust Company of New York, has been appointed deputy director of the OPM Division of Priorities in charge of operations. He succeeds Emil Schram, who is leaving the priorities division to accept the presidency of the New York Stock Exchange.

Mr. O'Neill was with the Carnegie Steel Company, Pittsburgh as credit manager in 1918 when he was appointed a vice-president of the Guaranty Trust Company. He served in Washington in NRA as control officer from December 1934, to June, 1935, when he was appointed administrator of the NRA organization. He resigned that post August 1, 1935, after arranging for the liquidation of NRA.

## Drug Industry Asks Priority, Deferment

*OPD Washington Bureau*
*May 28, 1941*

A resolution asking consideration for the drug industry in national defense activities was presented today to the Office of Production Management and the Selective Service Headquarters by Carson F. Frailey, secretary of the American Drug Manufacturers Association.

The resolution, adopted at the A.D.M.A. annual convention earlier this month, reads as follows:—

Whereas, the entire resources of this country are now being mobilized for defense; and

Whereas, by means of selective service men are being chosen to enter training for the armed forces; and

Whereas, it is essential to the fullest and best preparedness that such armed forces be created with the least possible disruption to the production of vital industries; and

Whereas, not only is the health of the military and naval forces dependent upon a continuing adequate supply of medicinals, but also such adequate medicinal supply is essential for main-

—*Continued on page* 51

## Export Control Applied to Philippines

*OPD Washington Bureau*
*May 28, 1941*

Control of the export of strategic and critical articles and materials needed in the national defense program was extended today by proclamation of President Roosevelt to the Philippine Islands as the President signed a joint resolution of Congress authorizing such extension.

Export control was established originally within the United States under the provisions of section 6 of the act of July 2, 1940. It now provides a control over every exit for goods and materials from the United States and insures that all articles and materials needed in the expanding defense program will be held available.

Licenses will be issued in the Philippine Islands by the High Commis-

—*Continued on page* 64

## *Expediting Wartime Supplies*

### By W. E. Bittner

**Purchasing Agent, Diamond Alkali Company**

*Address given May 26, 1941, at Chicago convention of the National Association of Purchasing Agents*

Let us start this talk with a mutual understanding. You and I are receiving so many dollars a month from our respective companies as compensation for knowledge, ability, and energy in doing the job which at the present time, and at all times, consists in securing materials, equipment, supplies, etc., when, how, and as needed, at prices not in excess of those being paid by our competitors.

Next, let me say every man has a right to his opinion, but no man has a right to conclude that his opinion alone is right.

The job of yours and mine in securing whatever materials, equipment, or supplies are required is a hard one, but the comforting fact remains that, if it were easy, the office boy could do the job and the end of the unemployment line would have a number of new faces.

Today we are faced with, in fact we are in, a situation the like of which has never existed before. Charts and graphs showing what has happened over the past century are worthless as we face what is going on today. Only by complete cooperation can we reach the goal for which we are now

—*Continued on page* 60

## Closing Markets

### Lead Acetate Higher

Prices advanced 1c. per pound, effective June 2, on all grades of lead acetate. Prices follow:—White, broken, barrels, 12c. per pound; crystals, barrels, 12c. per pound; granular, barrels, 12¾c. per pound; and powdered, barrels, 12¾c. per pound. This marks the first change since September 12, 1939, and reflects higher raw material costs principally.

### Ammonia Sulphate Unchanged

It was reported late last week that sales of domestic sulphate of ammonia for shipment during July, 1941, to June, 1942, had been made at unchanged prices.

## Defense Materials Price-Trend Index

There was a slight decline in the Bureau of Labor Statistics' index of market prices of strategic materials with the rather sharp decrease in rubber prices during the week ended May 24. The index, based on August, 1939, as 100, stood at 139.0 May 24, against the previous week's 139.2, the highest point since the outbreak of the war in Europe. Prices of raw silk continued to advance and are now almost at the high levels reached early in April. An increase was also recorded in the price of manganese ore, which is now more than double its prewar level.

The bureau's index of critical materials' prices increased sharply from 112.8 percent to 113.6 percent of the August, 1939, average. The rise was due to the advance in prices of hides, which have been going up steadily since early February. Higher prices for cork and Ohio wool were also reported.

Index numbers for both groups of materials are given below:—

| (August 1939 = 100) | | |
|---|---|---|
| 1941. | Strategic. | Critical. |
| May 10 | 138.2* | 112.5 |
| May 17 | 139.2* | 112.8 |
| May 24 | 139.0 | 113.6 |

* Revised.

## Toilet Goods Group To Discuss Supplies

Discussion of raw materials and supplies affected by the defense program will highlight the annual convention of the Toilet Goods Association, to be held in the Waldorf-Astoria, June 9-11. Business sessions will be held on Monday and Wednesday, with Tuesday given over to golf and other entertainment features. Business program follows:—

### Monday, June 9

Report of the committee on membership.

Report of the entertainment committee.

—*Continued on page* 56

## Bids Wanted

**Aluminum Powder:**—4,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7035, opening June 5.

**Ammonia, Aqua:**—33,750 pounds; U. S. Engineer Office, Washington, invitation 194, opening June 3.

**Perchlorate:**—4,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7035, opening June 6.

**Sulphate:**—32,100 pounds; Contracting Officer, Office, Chief of Engineers, Washington; invitation 198, opening June 4.

**Barium Nitrate:**—9,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for Macon, Ga.; schedule 7036, opening June 6.

**Calcium Hypochlorite:**—2,875 pounds; Contracting Officer, Office, Chief of Engineers, Washington; invitation 198, opening June 4.

—*Continued on page* 64

## *Nitrogen Fertilizer Consent Decree Filed*

A civil complaint and consent decree was filed in Federal Court here, May 28, by the Department of Justice against Allied Chemical & Dye Corporation and E. I. duPont de Nemours & Co., Inc., and various officers and directors of those companies for alleged violation of the anti-trust law through restraints in the production and sale of fertilizer nitrogen.

# *Chemical Price Views Tightened*

Last week's developments in the markets for heavy and fine chemicals comprised chiefly a further tightening of price views and a heavier weight of defense business in the balance against increased civilian requirements. The President's proclamation quite substantially subordinated individual desires in the latter direction. Price changes indicated no specific influence. Speculation and other adventuring were further deprived of sustaining materials. Official trends toward price ceilings came into these markets.

Business activity on the whole was still characterized by an excess of unsatisfied requests. Producers were operating for the most part at what they considered optimum volume; more might be done in some places, but it was felt that the results would not yet compensate for the efforts.

Prices were advanced on water-white glacial acetic acid, 50 percent muriate of potash, amyl chlorides, C.P. diatomaceous earth, Argentine casein, gum rosin, gum turpentine, blackstrap molasses, domestic egg albumen, gambiers, powdered extracts of myrobalans and quebracho, ester gum, sago flour, tapioca flour, and hoofmeal at Chicago. Acetate of lead prices will be higher from June 2.

Prices were reduced on amylnaphthalenes, run-of-mine potash, manure salts, cocoa butter, imported dried blood, domestic dried blood at Chicago, and cottonseed meal in the Southeast.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 132.1 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.5, compared with 91.4 at this time last year and 88.8 in 1939.

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## Ammonia Sulphate Price Peg Asked

*OPD Washington Bureau*
*May 26, 1941*

Producers and distributors of sulphate of ammonia for fertilizer purposes have been requested by letters to continue formal price quotations now current for this commodity, Leon Henderson, Administrator, Office of Price Administration and Civilian Supply, announced today. It is the custom in the trade to establish the price for the next fertilizer season at this time of year. Quotations now current are as follows:—On contract, $28 per ton at inland ovens; $29 per ton at port; and spot prices $1 per ton higher.

In making his request, Mr. Henderson pointed out that there has been some tightness in the supply of this commodity but declared that there is no justification for an increase in the price, since the coke industry has been operating at capacity for many months.

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## Fertilizer Association Arranges Program

*OPD Washington Bureau*
*May 28, 1941*

The National Fertilizer Association today completed the program for its annual convention June 9 to 11 in White Sulphur Springs, W. V.

Meetings of the directors and committees are scheduled for June 9, and business sessions and symposiums on the two following days. The annual dinner will be held June 10 in the evening: the speaker will be Merle Thorpe, editor of *Nations Business*. The usual golf tournament will be a feature of the convention.

General sessions will open June 10 with an address of welcome by John E. Sanford, president of the association. This will be followed by a symposium on the principal fertilizer ingredients, speakers being Charles C. Concannon, chemical consultant of the Bureau of Foreign and Domestic Commerce, discussing nitrogen; W. H. McCord, of the Davison Chemical Company, discussing phosphoric acid; and H. M. Albright, of the United States Potash Company, discussing potash.

June 11 the principal speeches will be by Charles J. Brand, executive secretary of the association N.F.A., on "Agriculture After the War"; Dr. E. R. Weidlein, director of Mellon Institute and head of the Chemical section of the Office of Production Management, on "Chemistry in National Defense"; and Dr. R. F. Poole, president of Clemson Agricultural College, on "Opportunities for Improving Southern Agriculture."

## Mutual Chemical to Raise Bichromate Prices July 1

Effective July 1, the Mutual Chemical Company of America will advance the price for bichromate of soda and neutral chromate of soda ½c. per pound and the price for bichromate of potash, ¾c. In announcing the advances, the company said:—

These increases will apply to all contracts and are made pursuant to the clause providing for quarterly revision. With respect to spot or open market business, the changes will become effective immediately. The larger increase for bichromate of potash is made necessary by the recent substantial advance in the price of muriate of potash.

Since the outbreak of war, many items comprising our costs have advanced and other advances are about to become effective. Until recently, the enlarged demand for our products has helped absorb and offset some of the increased costs but we cannot continue to absorb the accumulated increases together with the further increases which now confront us. While, until now, we have been able to continue unchanged the same selling prices as obtained prior to the outbreak of war, it is now necessary to reflect the higher costs in our prices.

Ocean freights on our main raw material, chrome ore, have mounted steadily and are now more than treble the prewar rates. In fact, the additional out-of-pocket cost on this item alone is equivalent to more than the increase in selling prices above-mentioned. In addition, other materials entering substantially into our products, together with wages, have also increased.

# Chemical Workers And Payrolls Gain

### Employment Up 2.1 Percent Payrolls Gain 4.4 Percent Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals, and related products in the United States noted an increase of 2.1 percent from March 15 to April 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 8.4 percent above the corresponding level of 1939. Payrolls showed a gain of 4.4 percent from March 15 to April 15, and stood 16.8 percent above the corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries April 15 was 133.7 (100 equals 1923-25 average), compared with 130.7 for March 15 and 123.4 for April last year. For payroll totals the index number was 154.8 (same basis), compared with 148.2 for March and 133.4 for April last year.

The bureau's general index numbers for all manufacturing industries April 15, 1940, showed the following comparisons:—

| | 1941. April | 1941. March | 1940. April |
|---|---|---|---|
| Employment | 122.3 | 119.9 | 103.2 |
| Payroll totals | 134.4 | 131.2 | 97.9 |

Employment in the chemical group of industries was 9.2 percent above the average of all industries. Payroll totals were 15.1 percent above the general average for industries.

#### Detailed Comparisons

**Employment**

(100 = 1923-25 average)

| | 1941. April | 1941. March | 1940. April |
|---|---|---|---|
| Chemicals | 160.7 | 159.3 | 135.2 |
| Cottonseed oil, cake | | | |
| Cottonseed oil, cake and meal | 91.2 | 99.4 | 79.2 |
| Druggists' preparations | 122.2 | 120.9 | 118.7 |
| Fertilizers | 177.2 | 140.9 | 174.8 |
| Paint and varnishes | 137.1 | 132.9 | 124.4 |
| Petroleum, refined | 120.7 | 119.5 | 121.1 |
| Rayon and allied products | 318.1 | 312.2 | 305.8 |
| Soap | 91.1 | 90.7 | 81.2 |

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# N.A.I.D.M. to Meet In Chicago June 9-10

The National Association of Insecticide and Disinfectant Manufacturers will hold its twenty-seventh mid-year meeting in the Edgewater Beach hotel, Chicago, June 9 and 10. The program for the meeting follows:—

### Monday, June 9

Address of the president, W. J. Zick, Stanco, Inc.

Appointment of committees.

Report of the secretary, Ira P. MacNair, MacNair-Dorland Company.

Report of entertainment committee, M. J. Flanagan, Federal Varnish Company.

"The Present Monetary Situation and the Federal Reserve System," Charles B. Dunn, general counsel, Federal Reserve Bank, Chicago.

"U.S.P. Cresol vs. Cresylic Disinfectants," Gordon M. Baird, Baird & McGuire, Inc.

Report of disinfectant scientific committee, Dr. E. G. Klarmann, Lehn & Fink Products Corporation.

"What the Hospital Wants in Sanitation Supplies," C. O. Auslander, purchas-

—*Continued on page 38*

# Latin-American Trade Promotion Planned

Mexico and Brazil will have exhibits at the Pan American Exposition to be held June 17-21 in the gymnasium of the Weehawken (N. J.) high school. The exposition is planned in cooperation with the national Pan-American good-neighbor policy.

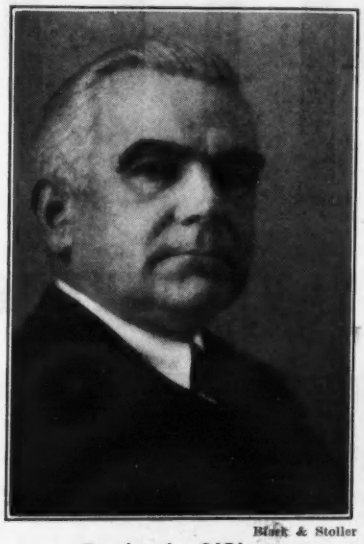
As another step toward better understanding among the Americas a conference on Latin-American trade and politics will be held June 23-28 at Connecticut College, New London. The forum was requested by the United States Council of National Defense to assist in moulding public opinion on these subjects in relation to hemispheric defense.

## *Nitrogen Fertilizer 'Trust' Trial Set*

Trial of the monopoly charges against eleven concerns in the nitrogen fertilizer industry and thirty-two individuals connected with them has been set for June 11 in the Federal district court in this city. Indictments in the case were originally opened December 4, 1940.

# Union Carbide Promotes Ricks, O'Shea, White

Directors of the Union Carbide and Carbon Corporation at a meeting held May 27 elected Jesse J. Ricks, formerly president of the corporation, as chairman of the board. Benjamin O'Shea, formerly vice-president, was named as the new president. James A. Rafferty, a vice-president, was elected to the board of directors to fill



Black & Stoller

**Benjamin O'Shea**

the vacancy caused by the resignation of Matthew J. Carney. Robert W. White, secretary and treasurer, was made a vice-president as well.

Since the death in 1937 of C. K. G. Billings, the last chairman of the board, the duties of chairman and president had been consolidated in the presidency.

Both the new chairman and the new

—*Continued on page 33*

# DCAT Committees For Skytop Named

The general chairman of activities at the sixth annual Fall meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, October 23 to 26, will be Rudolph F. Berls, who is vice-chairman of the section.

The chairmen of the various units are:—

Banquet, Robert J. Quinn, of Mathieson Alkali Works.

Friday night party, David L. Kaltman, of D. Kaltman & Co.

Get acquainted party, Turner F. Currens, of Norwich Pharmacal Company.

Golf, Harold C. Green, of L. Sonneborn Sons, Inc.

Ladies' entertainment, A. A. Wasserscheid, of Mallinckrodt Chemical Works.

Ladies' golf, Mrs. Joseph A. Huisking.

Program, James DeCesare, of White Laboratories, Inc.

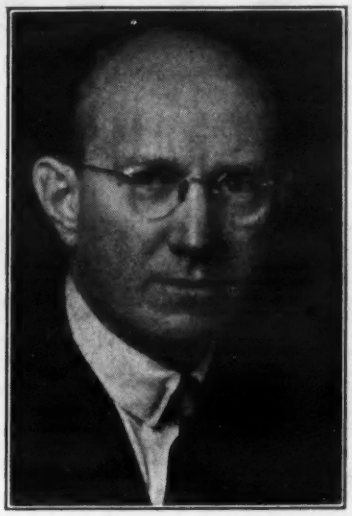
Publicity, P. Wesley Combs, jr., of William Esty & Co.

Reception, James C. Chilcott, of the Maltine Company.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc.

# N.Y. Textile Chemists Elect Tisdale Chairman

Harry R. Tisdale, of the American Dyewood Company, was elected chairman of the New York Section of the



**H. R. Tisdale**

American Association of Textile Chemists and Colorists at its May 23 meeting, held in the Swiss Chalet,

—*Continued on page 39*

# U.S.P. Convention Set for March, 1942

Tentative arrangements were made by the Board of Trustees of the United States Pharmacopeial Convention at its annual meeting May 24 and 25 in this city for reconvening the 1940 convention in March, 1942, for the purpose of receiving and acting upon the report of the committee on constitution and by-laws. The exact time and place of the meeting will be announced at a later date. This action was in accordance with the specific instructions of the 1940 convention resulting in the appointment of a special committee to revise the constitution and by-laws. This committee of nine members, under the chairmanship of Dr. Allen H. Bunce, Atlanta, Ga., has held one meeting, and a special subcommittee, headed by Dr. Charles H. Rogers, Minneapolis, has been in charge of preparing a draft to be presented later to the full committee. Dr. Bunce and Dr. Rogers conferred with the board May 25, at which time the progress of the redrafting was thoroughly reviewed. The primary object of the redrafting of the constitution and by-laws, as indicated by the 1940 convention, is a simplification of the convention by reducing the number of delegates, insuring a more representative delegation, and simplifying the general methods of procedure for the convention proper.

Considerable attention was given to various questions involving the next

—*Continued on page 51*

# Alcohol Tax Split Opposed by Treasury

*OPD Washington Bureau*
*May 28, 1941*

The Treasury Department is opposed to the current proposal that nonbeverage alcohol be taxed at a lower rate than alcoholic beverages, it was disclosed today.

The department's opposition was stated in a letter from John L. Sullivan, Assistant Secretary of the Treasury, to Representative Robert N. Doughton, chairman of the house committee on ways and means, made public today by Representative Estes Kefauver, of Tennessee, who had introduced a bill (H. R. 3383) to establish a tax differential for alcohol used in medicines and flavoring extracts.

Representative Kefauver and spokesmen for nonbeverage alcohol users appeared before the ways and means committee during current hearings on the new revenue law and asked that the tax differential be incorporated in the pending measure. Mr. Kefauver is expected to file a reply to the Treasury Department with the committee.

The department's opposition is based principally on four points:—(1) Hazard to the revenue, (2) loss of some $8,500,000 revenue annually, (3) administrative costs and difficulties, and (4) the belief that the reduced cost would not be passed on to the ultimate consumer.

# Riboflavin Scarcity Defers Flour Rules

*OPD Washington Bureau*
*May 27, 1941*

A final order, establishing rules on standards for vitamin-enriched flour and bread, was issued today by W. B. Miller, acting administrator of the Food and Drug Administration. The rules, which are substantially the same as those promulgated March 28, will become effective January 1, 1942. Postponement of the effective date followed the submission of a brief by the National Millers Federation requesting an amendment to the regulations making the inclusion of riboflavin, or vitamin $B_2$, optional rather than a requirement in goods labeled "enriched," because of the scarcity of this particular vitamin.

Through the postponement of the effective date of the new regulations to the first of next year the Food and Drug Administration is permitting manufacturers of pharmaceuticals additional time in order to build up production of vitamin $B_2$. Representatives of drug concerns testified during

—*Continued on page 51*

# *Effective Association Functioning Essential to Private Enterprise*

### By John M. F. Donovan, Jr.

**Trade Association Counselor**

## IX. Recent Consent Decrees Offer Unique Trade Practice Guides to Industry

*(Continued from May 26 issue)*

The consent decree specifically provides that none of its provisions shall be construed as a limitation upon the right of the defendants, other than the Southern Pine Association and the Southern Pine Lumber Exchange, independently of each other to make prices, distribute price lists to the purchasing and distributing trade, select individually their own trade and dispose of their products to such persons, or classes of trade as they may individually and independently choose.

For the purpose of securing compliance with the consent decree, the government is permitted to have access, within the office hours of the defendants, to all books, ledgers, accounts, correspondence, memoranda, and other records and documents in the possession or control of the defendants, relating to any of the matters contained in the decree. Under the consent decree, any authorized representative of the Department of Justice, subject to the reasonable convenience of the defendants, shall be permitted to interview officers or employees of the defendants without interference, restraint or limitation, and upon the written request of the Attorney-General, the defendants must submit reports with respect to any matters contained in the decree as may from time to time be necessary for the proper enforcement of the decree.

### National Container Decree

The National Container Association and its members are enjoined under the consent decree from agreeing among themselves or with any other manufacturer:—

(1) To limit production to predetermined quotas.

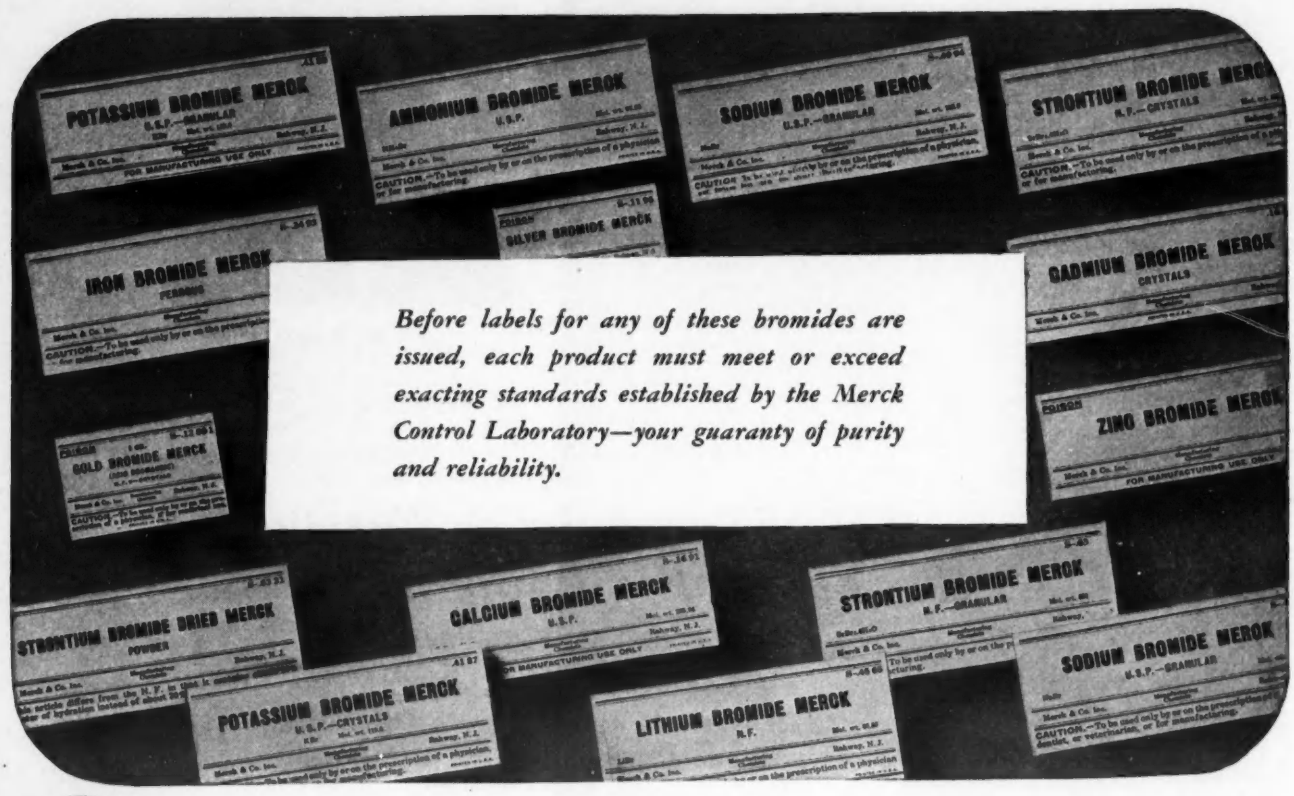
(2) To formulate, promote, or take part in any plan for prorating business, the purpose and effect of which is to limit production to such quotas.

(3) To determine the volume of business of manufacturers for any pe-

—*Continued on page 58*

# MERCK BROMIDES

## ALL THE FORMS YOU NEED UNDER ONE LABEL




*Before labels for any of these bromides are issued, each product must meet or exceed exacting standards established by the Merck Control Laboratory—your guaranty of purity and reliability.*

BROMINE was discovered in 1826 by A. J. Balard, who prepared it from concentrated sea-water. Bromides, especially the potassium, sodium, ammonium, and strontium salts have been widely prescribed for more than a century, and remain among the ingredients of many favorite prescriptions. They have found their greatest usefulness as sedatives for the nervous system, in epilepsy, certain forms of insomnia, and various other conditions. Prescribed as elixirs, syrups, tablets, powders, and combined with many adjuvants and vehicles, bromide preparations are prominently recognized in official and nonofficial treatises.

**STANDARDIZE ON MERCK BROMIDES FOR UNIFORMITY, RELIABILITY — AND A CENTRAL SOURCE OF SUPPLY**

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York • Philadelphia • St. Louis • *In Canada:* Merck & Co. Ltd., Montreal • Toronto

# Current Market Quotations

## May 29, 1941

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**When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.**

## A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb. lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP, dms., c.l., divd..lb. .07½- .08¼
l.c.l., divd....lb. .08 - .09
tanks, divd....lb. .06 - .07
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., c.l., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs....100 lbs. 2.73 - 2.98
56%, bbls....100 lbs. 4.15 - 4.40
cbys., cs....100 lbs. 4.65 - 4.90
70%, bbls....100 lbs. 5.17 - 5.42
cbys., cs....100 lbs. 5.67 - 5.92
80%, bbls....100 lbs. 5.89 - 6.14
cbys., cs....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 7.62 - 7.87
l.c.l., same terms....lb. .09 - —
cbys. ....100 lbs. 8.12 - 8.37
tanks ....100 lbs. 5.00 - 5.50
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks, contract...100 lbs. 5.50 - —
spot ....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 80%, bbls....100 lbs. 3.28 - 3.53
cbys., cs....100 lbs. 3.78 - 4.03
36%, bbls....100 lbs. 3.66 - 3.91
cbys., cs....100 lbs. 4.16 - 4.41
60%, bbls....100 lbs. 6.15 - 6.40
cbys., cs....100 lbs. 6.65 - 6.90
80%, bbls....100 lbs. 7.68 - 7.93
cbys., cs....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply divd. at destination in the following States:—Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna. and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine crys., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex-whse...ton.118.00 - —
less than ton lots, ex whse..ton.128.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .17½- .18
Caproic, dms., works....lb. .25 - .30
Carbolic (see Phenol).
Caprylic, dms....lb. .17½- —
Castor oil, split, dms....lb. .16½- .17
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., c.l., divd. N.Y..lb. .15¼- —
l.c.l., 5 tons, divd. N.Y. lb. .15¾- —
smaller quantities, divd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb lots, one shipt. lb. .20½- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .14½- .15
Cottonseed oil, dist., dms....lb. .10 - .10½
tanks ....lb. .09½- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S....gal. .48 - —
l.c.l., same basis....gal. .49 - .50
tanks, divd., East. U.S.gal. .439 - —
medium-boil (222°-240°), non-return dms., c.l., works, East, U.S..gal. .54 - —
l.c.l., same basis....gal. .55 - .56
tanks, divd., East. U.S.gal. .498 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys....lb. 11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots, bbls., dms...lb. .25 - .28
Gallic, tech., bbls....lb. .90 - .93
NF VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
smaller lots....lb. 1.10 - 1.12
fib. dms., 25 lbs....lb. 1.14 - 1.16
Gamma, bbls.... ....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½
USP, XI, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .16 - .16½
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .15 - .15½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.05 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .08 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18¼
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .06½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., woks....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palmitic, bgs....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .09½- .10
tanks ....lb. .09 - —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys....lb. .07½- —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.15 - —
cns. ....lb. 1.23 - —



Acid, pyrogallic, USP, cryst., cns..lb. 1.70 - 1.75
resub., cns....lb. 2.20 - 2.30
Pyroligneous, bbls., divd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .13½- .14
Stearic, dist., double pressed, bgs., divd..lb. .13¼- .14¼
single pressed, bgs., divd..lb. .12¾- .13¾
triple pressed, bgs., divd..lb. .16 - .17
saponif., double pressed, bgs., divd..lb. .13½- .14½
triple pressed, bgs., divd..lb. .16¼- .17¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .13¾- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots....lb. 1.00 - —
25-lb. lots....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities....lb. .64 - —
kgs. ....lb. .64½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Tungstic, CP, kgs., works...lb. No Prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. 1.10 - 1.15
Aconitine, amorph., bots....oz.28.00 - —
vial ....vial 1.00 - —
cryst., bots....oz.42.00 - —
vial ....vial 1.00 - —
Acrylonitrille, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —
Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms....lb. .17 - .18
Agar, 1 bls....lb. 1.40 - 1.45
3, bls....lb. No prices
Agaric, white, bls....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .95 - 1.00
powd., dms., bbls....lb. 1.00 - 1.05
import, cs....lb. No price
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l, frt. alld..lb. .121 - —
l.c.l., frt. alld....lb. .131 - —
tanks, frt. alld....lb. .111 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns....lb. .63 - —
drums ....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .17½
dms., c.l., frt. alld....lb. .10 - .11
l.c.l., frt. alld....lb. .10½- .11½
tanks, frt. alld....lb. .09 - .10
tankwagon, frt. alld....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms....lb. .08¾- —
tanks, same terms....lb. .07¼- —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms....lb. .13 - —
tanks ....lb. .11½- —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
Cinnamic, bots....lb. 2.33 - 2.95
Denatured, CD14, dms., c.l., divd. E..gal. .36½- .38½
l.c.l., divd., dms....gal. .41¼- .43½
tanks, E., divd....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

## Alcohol—Benzophenone

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works..gal. .33 - —
19 dms., E. works..gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .24 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .09½- .11½
l.c.l., divd.....lb. .10 - .12
tanks, divd.....lb. .08½- .10½
tech., dms., c.l., divd.....lb. .10 - .11
l.c.l., divd.....lb. .10½- .11½
tanks, divd.....lb. .09 - .10
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls, In. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., works, c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Alstris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .13½- .14
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Alsin, 140-lb. bbls.....lb. 3.60 - —
100-lb. kgs.....lb. 3.62 - —
25-lb. fib. dms.....lb. 3.69 - —
Alphanaphthol, bbls.....lb. .32 - —
Alphanaphthylamine, bbls...lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd., N. Y., Phil....100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
divd., N. Y., Phil....100 lbs. 3.75 - —
powd., bbls., works...100 lbs. 3.90 - —
divd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phila...100 lbs. 4.00 - —
powd., bbls., works...100 lbs. 4.15 - —
divd. N. Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, divd..lb. .35 - —
1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., divd....lb. .33 - —
smaller containers, divd., lb. .45 - —
solut., 24%, bbls., c.l., divd..lb. .07¼- —

Alumina acetate, solut., 24%, l.c.l., 10 or over, divd. lb. .08¼- —
1 to 9 divd.....lb. .0863- —
normal, pwd., bbls., divd. lb. .33 - —
smaller containers, divd..lb. .35 - —
solut., 20%, bbls., c.l., divd..lb. .08 - —
l.c.l., 10 or over., divd. lb. .08½- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., divd..lb. .13 - —
l.c.l. divd.....lb .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs, c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs....lb. .70½- —
standard, dms., 1,500 lbs....lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., divd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on $NH_2$ content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., divd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., divd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22

Ammonia, phosphate, dibasic, NF V, bbls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06¼- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys, works.....lb. .06 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .11½- .12½
l.c.l., divd.....lb. .12 - .13
tanks, divd.....lb. .10½- .11½
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10¼- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .30 - .31
Cyprus, bgs.....lb. .30 - .31
Mexican, bgs.....No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .53 - —
90%, bbls., works.....lb. .65 - —
lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., divd.....lb. .12 - .13
l.c.l., divd.....lb. .13½- .14½
Salt, 65%, dms., divd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .17 - .19
Arecoline hydrobromide, bots..oz. 6.00 - 7.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.30 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant. lb. .06 - —

Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.38.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.10.00 -10.25
Sulphate, bots.....oz. 9.00 - 9.25

## B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l, works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05¾- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern, off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.25 Nom.
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms..... ....lb .85 - 1.00

Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .42 - —
dms. .....lb. .44 - —
Bensyl alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Proprionate, bots.....lb. 1.10 - 1.25
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -18.00
Hydrochloride, cns.....lb.17.75 -18.00
Sulphate, cns.....lb.17.75 -18.00
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., .....lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib, dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld, E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls.. bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
Black, bone, 8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03325- —
f.o.b. North Atlantic ports..lb. .0430- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07¼- —
dlvd..lb. .07¼- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03175- —
f.o.b. North Atlantic ports..lb. .0415- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars. c.l., f.o.b. plants, lb. .03 - —
f.o.b. New York harbor..lb. .0397- —
All carbon black prices are for delivery in March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls.. l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A. bbls., works or N.Y.. lb. .04¼- —
B. bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.73.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.25 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.15 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.05 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.36.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48

## Benzoyl Chloride—Brown, Sien.

Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.45.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
Italian, group:—
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06½- —
Raw, American, bbls., f.o.b. works..lb. .02¾- —


Exchange

# CITRIC ACID U·S·P·

CRYSTALS • GRANULAR • POWDERED

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*Near thousands of acres of lemon groves, this modern plant produces a complete line of fine lemon products*

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CALIFORNIA FRUIT GROWERS EXCHANGE, PRODUCTS DEPARTMENT

189 W. MADISON ST., CHICAGO ONTARIO, CALIFORNIA 99 HUDSON ST., NEW YORK

IMMEDIATE DELIVERY FROM WAREHOUSE IN NEW YORK, CHICAGO, PHILADELPHIA, SAN FRANCISCO

## Brown, Sienna—Crotonaldehyde

| | | | |
|---|---|---|---|
| Brown, Sienna, raw, Italian, Group 1, bbls., f.o.b. N.Y. or works | lb. | .13¼ | — |
| 2, bbls., same basis | lb. | .12 | — |
| 3, bbls., same basis | lb. | .12¼ | — |
| 4, bbls., same basis | lb. | .10¼ | — |
| 5, bbls., same basis | lb. | .10¼ | — |
| 6, bbls., same basis | lb. | .09¼ | — |
| 7, bbls., same basis | lb. | .09½ | — |
| 8, bbls., same basis | lb. | .08 | — |
| 9, bbls., same basis | lb. | .07½ | — |
| 10, bbls., same basis | lb. | .06¾ | — |
| 11, bbls., same basis | lb. | .05¾ | — |
| umber, American, bbls., works | lb. | .03½ | — |
| Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y. | lb. | .04¾ | — |
| St. Louis | lb. | .05¼ | — |
| l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle | lb. | .06½ | — |
| ex whse. Los Angeles, Portland, San Francisco, Seattle | lb. | .05¾ | — |
| Boston | lb. | .04¾ | — |
| Chicago, Indianapolis, New Orleans | lb. | .05¼ | — |
| Kansas City | lb. | .05¾ | — |
| Minneapolis | lb. | .0535 | — |
| Pittsburgh | lb. | .05 | — |
| Vandyke, regular, bbls., l.c.l., works | lb. | .09 | — |
| special | lb. | .12 | — |
| Brucine, 100 oz., cns. | oz. | .15 | — |
| Sulphate, 100 oz., cns. | oz. | .12 | — |
| Bryonia root, bls. | lb. | .28 | .30 |
| Buchu leaves, bls. | lb. | .57 | .58 |
| Buckthorn bark, true, bls. | lb. | No prices | |
| cut and sifted, bbls. | lb. | .75 | .80 |
| Berries, bgs. | lb. | .35 | .40 |
| Burdock root, bls. | lb. | .40 | .45 |
| Burgundy pitch, dom., dms. | lb. | .06 | .06½ |
| Butternut bark, bls. | lb. | .07 | .08 |
| Butyl acetate, norm., cns., wks. | lb. | .14½ | .17½ |
| dms., c.l., frt. alld. | lb. | .10 | .11 |
| l.c.l., frt. alld. | lb. | .10½ | .11½ |
| tanks, frt. alld. | lb. | .09 | .10 |
| tankwagons, frt. alld. | lb. | .09½ | .10½ |
| secondary, dms., c.l., frt. pd. E. of Miss. R. | lb. | .08¼ | — |
| dms., l.c.l., same terms | lb. | .08¾ | — |
| tanks, same terms | lb. | .07¼ | — |
| Alcohol (see Alcohol). | | | |
| Aldehyde, dms., c.l., works | lb. | .15½ | — |
| l.c.l., works | lb. | .16½ | .17½ |
| tanks, works | lb. | .14½ | — |
| Carbinol, secondary, l.c.l., dms., works | lb. | .60 | — |
| Chloride, normal, dms., c.l., works | lb. | .20 | — |
| l.c.l. | lb. | .23 | — |
| crotonate, normal, 55-gal. dms., works | lb. | .35 | — |
| 1-gal. cns., works | lb. | 1.00 | — |
| 5-gal. cns., works | lb. | .75 | — |
| Ether (see under Ether). | | | |
| Lactate, dms. | lb. | .23½ | — |
| Propionate, dms., dlvd. | lb. | .16½ | .17 |
| tanks | lb. | .15½ | — |
| Stearate, dms. | lb. | .28½ | — |
| Butyric ether, bots. | gal. | 6.50 | 6.95 |
| cns., works | lb. | .65 | .70 |
| dms., frt. alld. Met. N. Y. | lb. | .60 | — |
| Butane, coml., 16-34°, tanks, group 3 | gal. | .02¼ | .03 |

# C

| | | | |
|---|---|---|---|
| Cadmium, bromide, 25-lb. jars, 50 lbs. or more | lb. | 1.65 | — |
| single jars | lb. | 1.70 | — |
| 5-lb. bots. | lb. | 1.84 | — |
| Cyanide, 25-lb. bots., dlvd. | lb. | 3.00 | — |
| 25-lb. cks., dlvd. | lb. | 3.50 | — |
| Iodide, 5-lb. bots. | lb. | 4.23 | — |
| 25-lb. cans | lb. | 4.09 | — |
| Lithopone (see Yellow). | | | |
| Metal, pat., shapes, cs. | lb. | .95 | Nom. |
| ingots or sticks | lb. | .90 | Nom. |
| Red (see Red). | | | |
| Selenide (see Red). | | | |
| Sulphite (see Yellow). | | | |
| Caffeine, 10,000 lbs. or more, 100 lb. dms. | lb. | 2.60 | — |
| 25 lb. dms. | lb. | 2.63 | — |
| 10 lb. cns. | lb. | 2.65 | — |
| 2,000 lbs. or more, 100-lb. dms. | lb. | 2.65 | — |
| 25 lb. dms. | lb. | 2.68 | — |
| 10 lbs. cns. | lb. | 2.70 | — |
| 1,000 lbs. or more, 100-lb. dms., | lb. | 2.70 | — |
| 25 lb. dms. | lb. | 2.73 | — |
| 10 lb. cns. | lb. | 2.75 | — |
| 100 lbs. or more, 100-lb. dms. | lb. | 2.80 | — |
| 25 lb. dms. | lb. | 2.83 | — |
| 10 lb. cns. | lb. | 2.85 | — |
| less than 100 lbs., 10-lb. cns., | lb. | 3.15 | — |
| Citrated, bots. | lb. | 2.30 | Nom. |
| Hydrobromide, bots. | lb. | 5.29 | 5.37 |
| Calabar beans, bgs. | lb. | .25 | .30 |
| Calamus root, peeled, N. F., cs., | lb. | .85 | Nom. |
| bleached, bls. | lb. | No stocks | |
| Calcium acetate, bgs., dlvd., | 100 lbs. | 1.90 | — |
| Arsenate, bgs., c.l. | lb. | .06¼ | — |
| l.c.l. | lb. | .06¾ | — |
| Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up. | | | |
| Bromide, 100 lbs., works, frt. equaled | lb. | .65 | — |
| 50 lbs., works | lb. | .67 | — |
| 25 lbs., works | lb. | .70 | — |
| Carbide, dms., c.l., dlvd. 100 lbs. | | 4.75 | — |
| l.c.l., f.o.b. warehouse, 100 lbs. | | 4.85 | — |
| Carbonate (see Chalk and Whiting). | | | |
| Chloride, flake, dms. 77-88% | ton. | 20.50 | -35.00 |
| l.c.l., 1 ton or more, dlvd., 100 lbs. | | 1.63 | - 2.35 |
| liquor, basis 40%, tanks, wks., | ton. | 7.50 | — |
| solid, dom., 73-75%, dms., c.l., dlvd. | ton. | 19.00 | -33.00 |
| l.c.l., 1 ton or over, dlvd., 100 lbs. | | 1.53 | - 2.25 |
| Gluconate, USP, gran., 150-lb. bbls. | lb. | .50 | — |
| dms. | lb. | .55 | - .57 |
| cns. | lb. | .68 | - .85 |
| Powd., 2c. per lb. higher. | | | |
| Glycerophosphate, fib. dms., 1,000-lb. lots | lb. | 1.10 | — |
| smaller lots | lb. | 1.25 | — |
| cns., 25 lbs. | lb. | 1.50 | — |
| Hypophosphate, cns. | lb. | .62 | - .65 |
| Iodide, bots., jars | lb. | 4.04 | - 4.19 |
| Lactate, USP, bbls., 200 lbs. | lb. | .24 | - .25 |
| Mandelate, dense, dms. | lb. | 2.05 | — |
| fluffy, dms. | lb. | 2.05 | — |
| Calcium, nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports | ton. | No prices | |
| Palmitate, bbls. | lb. | .22 | - .24 |
| Phosphate, dibasic, precip., 38-40% $P_2O_5$, bgs., c.i.f. Atlantic ports, shipt. | unit-ton. | No prices | |
| tribasic, c.l., bbls., works | lb. | .0635 | — |
| l.c.l., bbls. | lb. | .0705 | — |
| Resinate, precip., bbls., 1 ton. | lb. | .13 | — |
| smaller lots | lb. | .14 | — |
| Stearate, precip., bbls., ctns., c.l. | lb. | .20½ | — |
| l.c.l., ton | lb. | .22½ | — |
| Sulphate (see Gypsum). | | | |
| Sulphide, 70%, CaS, bgs., c.l., works | ton. | 46.00 | — |
| 80%, CaS, bgs., c.l., works. | ton. | 51.00 | — |
| luminous, dom., tins, works, 100 lbs. | | 1.25 | — |
| Sulphocarbolate, 200-lb. bbls. | lb. | .48 | - .50 |
| Calendula flowers, bls. | lb. | .85 | - .90 |
| Calomel, bbls., fib. dms., kgs., 50 lbs. or more | lb. | 2.70 | — |
| Camphor, natural, powd., cs. | lb. | .73 | - .74 |
| slabs, cs. | lb. | .73 | - .74 |
| tablets, tins | lb. | .80 | - .81 |
| synth., dom., tech., bbls., contract, 2,000 lbs. or more, works | lb. | .36 | — |
| smaller lots, works | lb. | .41 | — |
| USP, or import, gran., powd., bbls., 2,000-lb. lots | lb. | .60 | — |
| 1,000-lb. lots | lb. | .61 | — |
| smaller lots | lb. | .62 | — |
| tablets, 2,000-lb. lots | lb. | .73 | — |
| 1,000-lb. lots | lb. | .74 | — |
| smaller lots | lb. | .75 | — |
| Monobromate, bxs., kgs. | lb. | 2.00 | - 2.05 |
| Canada balsam (see Fir balsam). | | | |
| Canary seed, Argentine, bgs. | lb. | .0360 | - .0380 |
| Morocco, bgs. | lb. | .0400 | - .0430 |
| Turkish, bgs. | lb. | No stocks | |
| Canella alba bark, bls. | lb. | .45 | - .50 |
| Cantharides, Chinese, cs. | lb. | 1.50 | - 1.60 |
| powd., bxs. | lb. | 1.75 | - 1.85 |
| Russian, cs. | lb. | 3.00 | - 3.05 |
| powd., bxs. | lb. | 3.25 | - 3.30 |
| Capsicum (see Pepper, red). | | | |
| Caraway, Dutch, bgs. | lb. | .70 | - .72 |
| Carbazole, 95%, dms., ton lots, works | lb. | .70 | — |
| smaller quantities, works | lb. | .80 | — |
| 98%, dms., ton lots, works | lb. | .75 | — |
| smaller quantities, works | lb. | .85 | — |
| Carbinol, butyl, norm. (see Amyl alcohol, normal). | | | |
| Diethyl, l.c.l., works | lb. | .60 | — |
| Dimethylethyl, l.c.l., works | lb. | .60 | — |
| Isobutyl, c.l., dms., frt. alld. | lb. | .225 | — |
| l.c.l., same basis | lb. | .235 | — |
| tanks, same basis | lb. | .215 | — |
| Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R. | lb. | .03 | — |
| l.c.l., same basis | lb. | .05¾ | — |
| 5-gal. dms., c.l., same basis, | lb. | .07 | - .07½ |
| l.c.l., same basis | lb. | .08 | - .08¼ |
| Dioxide, cyls. | lb. | .06 | - .08 |
| Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld. | gal. | .66½ | — |
| l.c.l., frt. alld. | gal. | .73 | — |
| 5 or 10-gal. dms., c.l., frt. alld. | gal. | .90 | — |
| l.c.l., frt. alld. | gal. | 1.00 | — |
| Zone 2, 52½-gal. dms., c.l., frt. alld. | gal. | .73 | — |
| l.c.l., frt. alld. | gal. | .80 | — |
| 5 or 10-gal. dms., c.l., frt. alld. | gal. | .97 | — |
| l.c.l., frt. alld. | gal. | 1.07 | — |
| Zone 3, 52½-gal. dms., c.l., frt. alld. | gal. | .87 | — |
| l.c.l., frt. alld. | gal. | .93 | — |
| 5 or 10-gal. dms., c.l., frt. alld. | gal. | 1.10 | — |
| l.c.l., frt. alld. | gal. | 1.20 | — |
| Zone 4, 52½-gal. dms., c.l. | gal. | .83 | — |
| l.c.l. | gal. | .90 | — |
| 5 or 10-gal. dms., c.l. | gal. | 1.07 | — |
| l.c.l. | gal. | 1.17 | — |

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.: S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

| | | | |
|---|---|---|---|
| Cardamom, bleached, cs. | lb. | 1.30 | - 1.50 |
| decorticated, cs. | lb. | 1.20 | - 1.30 |
| green, Ceylon, afloat, bgs. | lb. | 1.30 | - 1.50 |
| Carob bean flour (see Gum, Locust bean). | | | |
| Carvol, bots. | lb. | 4.00 | - 4.25 |
| Cascara sagrada bark, bulk. | lb. | .18 | - .19 |
| Case-hardening mixture, 50% lump, dms., l.c.l. | lb. | .09 | — |
| Casein, dom., 20-30 mesh, bgs., c.l., dlvd. | lb. | .20 | — |
| 5 tons, works | lb. | .20½ | — |
| smaller lots, works | lb. | .20½ | — |
| 80-100 mesh, works | lb. | .20½ | — |
| 5 tons, works | lb. | .20¾ | — |
| smaller lots, works | lb. | .21 | — |
| import, Argent., 20-30 mesh, bgs., c.l., duty paid | lb. | .20 | — |
| 80-100 mesh, bgs., c.l., duty paid | lb. | .20½ | — |
| French, 30 mesh., bgs., c.l., duty paid | lb. | No prices | |
| New Zealand, 20-30 mesh., c.l., bgs., duty paid | lb. | No prices | |
| Cassia, Batavia, No. 1, thin quill, bls. | lb. | .19¼ | - .20 |
| No. 1 regular, bls. | lb. | .18½ | - .19 |
| shortsticks, bls. | lb. | .14½ | - .15 |
| broken, bls. | lb. | .12 | - .12½ |
| China, buds, bags. | lb. | .14 | - .14½ |
| Rolls, select, bls. | lb. | .13 | - .13½ |
| broken, extra, bls. | lb. | .12¼ | - .12¾ |
| Saigon, No. 1, 4-10-4, bls. | lb. | .23½ | - .24 |
| 10-6-2, bls. | lb. | .24 | - .24½ |
| all thin, bls. | lb. | .25 | - .25½ |
| Cassia fistula, bakts. | lb. | .22 | - .24 |
| Castoreum, nat., cns. | lb. | 12.50 | -15.00 |
| synth., bots. | lb. | 19.00 | — |
| Castor beans, Brazilian, ship't, c.&f., N.Y. | long ton. | 68.00 | — |
| Oil (see Oil, castor). | | | |
| Pomace, dom., 6¼% ammon., bgs., c.l., works | ton. | 15.00 | — |
| import, bgs., c.i.f. ports, shipment | ton. | No prices | |
| Celery seed, French, bgs. | lb. | .70 | - .72 |
| Indian | lb. | .50 | - .51 |
| Celluloid scrap (see Pyroxylin scrap). | | | |
| Cellulose, acetate, flake, gran., frt. alld. | lb. | .30 | — |
| Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., | | | |
| lbs. and up, frt. alld. | lb. | .45 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .46 | — |
| 100-900 lbs., frt. alld. | lb. | .47 | — |
| smaller pkgs., works | lb. | .48 | — |
| low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. | lb. | .41 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .42 | — |
| 100-900 lbs., frt. alld. | lb. | .43 | — |
| smaller pkgs., works | lb. | .44 | — |
| medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. | lb. | .43 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .44 | — |
| 100-900 lbs., frt. alld. | lb. | .45 | — |
| smaller pkgs., works | lb. | .46 | — |
| acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. | lb. | .45 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .46 | — |
| 100-900 lbs., frt. alld. | lb. | .47 | — |
| smaller pkgs., works | lb. | .48 | — |
| low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. | lb. | .41 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .42 | — |
| 100-900 lbs., frt. alld. | lb. | .43 | — |
| smaller pkgs., works | lb. | .44 | — |
| medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. | lb. | .48 | — |
| 1,000-4,900 lbs., frt. alld. | lb. | .44 | — |
| 100-900 lbs., frt. alld. | lb. | .45 | — |
| smaller pkgs., works | lb. | .46 | — |
| Triacetate, flake, frt. alld. | lb. | .30 | — |
| Cerium hydrate, dms., works. | lb. | .60 | — |
| oxalate, USP, bbls., works. | lb. | .35 | — |
| kgs., works | lb. | .37 | — |
| Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works | lb. | .02¾ | — |
| cks., 250 lbs., c.l., f.o.b. works | lb. | .03¼ | — |
| Chamomile flowers, Hungarian, genuine, cs. | lb. | .85 | - 1.00 |
| Roman, bls. | lb. | 3.25 | Nom. |
| Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va. | ton. | 35.40 | — |
| Colo. | ton. | 32.00 | — |
| Conn., Me., Mass., N. H., R. I., Vt. | ton. | 35.80 | — |
| Ill. (except river point), Minn., Neb., Wis. | ton. | 27.00 | — |
| Indiana | ton. | 31.00 | — |
| Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia. | ton. | 25.00 | — |
| Kansas, El Paso, Tex. | ton. | 26.00 | — |
| Michigan | ton. | 32.80 | — |
| Ohio | ton. | 32.80 | — |
| Penn. | ton. | 34.80 | — |
| Utah | ton. | 36.00 | — |
| Willow, powd., bbls. | lb. | .06 | - .07 |
| Chestnut extract, clarif., 25% tan., bbls., c.l., works | lb. | .02½ | — |
| l.c.l., bbls., works | lb. | .02¾ | — |
| tanks, works | lb. | .01¾ | — |
| Chillies (see Pepper, red). | | | |
| China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works. | ton. | 9.50 | — |
| l.c.l., works | ton. | 10.00 | -16.00 |
| bulk, c.l., works | ton. | 7.60 | — |
| 200 mesh, bgs., c.l., works | ton. | 8.50 | — |
| l.c.l., works | ton. | 9.50 | -15.50 |
| wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works. | ton. | 9.50 | — |
| paper bgs., c.l., works. | ton. | 12.50 | — |
| import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila. | ton. | 18.60 | -25.00 |
| powd., cks., l.c.l., ex whse. | ton. | 45.00 | — |
| Chloral hydrate, jars, 1,000 lbs. | lb. | .93 | - 1.02 |
| 500 lbs. | lb. | .96 | - 1.05 |
| 100 lbs. | lb. | .98 | - 1.07 |
| 25 lbs. | lb. | 1.00 | - 1.09 |
| 1-13 lbs. | lb. | 1.05 | - 1.12 |
| dms., 1,000 lbs. | lb. | .90 | — |
| 500 lbs. | lb. | .93 | — |
| 100 lbs. | lb. | .95 | — |
| Chlorinated rubber, standard, c.l., ctns., works. | lb. | .32 | — |
| 100 lbs., ctns. | lb. | .35 | — |
| smaller lots. | lb. | .38 | — |
| Chlorine, liq., cyls., c.l., dlvd., N.Y. | lb. | .05¼ | — |
| contracts, dlvd., N. Y. | lb. | .05¼ | — |
| l.c.l., dlvd., N. Y. | lb. | .07¼ | — |
| tanks, single units, works, frt. equaled | 100 lbs. | 1.75 | — |
| multiple unit, 3 or over, works, frt., equaled, | 100 lbs. | 1.90 | — |
| 2, works, frt. equaled, | 100 lbs. | 2.40 | — |
| 1, works, frt., equaled, | 100 lbs. | 2.90 | — |
| Chloracetaphenone, tins, works. | lb. | 3.00 | - 3.50 |
| Chloroform, tech., 650-lb. dms. | lb. | .20 | — |
| 100-lb. dms. | lb. | .22 | — |
| 50-lb. dms. | lb. | .23 | — |
| USP, 650-lb. dms. | lb. | .30 | — |
| 100-lb. dms. | lb. | .32 | — |
| 50-lb. dms. | lb. | .33 | — |
| Chlorpicrin, com'l, 180-lb. cyls., frt. alld. | lb. | .80 | — |
| 100-lb. cyls., frt. alld. | lb. | .85 | — |
| 25-lb. cyls., works | lb. | 1.00 | - 1.15 |
| 1-lb. bot., case 12, works, | lb. | 1.25 | — |
| Chrome acetate, powd., 24%, bbls., dlvd. | lb. | .18½ | — |
| solut., 8½%, cs., bbls. | lb. | .05¾ | — |
| Cake, bulk, c.l., works | ton. | 16.00 | — |
| Green (see Green, chrome). | | | |
| Oxide (see Green, chrome). | | | |
| Sulphate, pearls, dms., 100 lbs. | lb. | .40 | — |
| powd., dms., 100 lbs. | lb. | .45 | — |
| scale, dms., 100 lbs. | lb. | .45 | — |
| Trioxide (see Acid, chromic). | | | |
| Yellow (see Yellow, chrome). | | | |
| Chrysarobin, 5-lb. bot. | lb. | 5.00 | — |
| Cinchona bark, quill, USP, 10 in., medium, cs. | lb. | .85 | - .90 |
| 20 in., thick, cs. | lb. | .85 | - .90 |
| 20 in., medium, cs. | lb. | .85 | - .90 |
| USP, broken quill, red, bgs. | lb. | .20 | - .21 |
| yellow, bgs. | lb. | .20 | - .21 |
| Cinchonidine, small crys., cns., 100 ozs. | oz. | .80 | — |
| Sulphate, N.F., cns., 100 ozs. | oz. | .53 | — |

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

| | | | |
|---|---|---|---|
| Cinchonine, small crys., cns., 100 ozs. | oz. | .62 | — |
| large cryst., cns., 100 ozs. | oz. | .66 | — |
| Sulphate, N.F., cns., 100 ozs. | oz. | .42 | — |

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

| | | | |
|---|---|---|---|
| Cinchophen, USP, 25-lb. fib. dms., | lb. | 3.35 | - 3.60 |
| 1 and 5-lb. bots. | lb. | 3.70 | - 3.80 |
| 100 lbs., dms. | lb. | 3.50 | — |
| Cinnamic alcohol (see Alcohol, cinnamic). | | | |
| Aldehyde, 99-100% pure, cbys., cns. | lb. | 1.10 | - 1.20 |
| Cinnamon, Ceylon, 2, bls. | lb. | .23½ | - .24 |
| 3 bls. | lb. | No stocks | |
| Citral, bots., cns. | lb. | 3.00 | - 4.00 |
| Citrine ointment, jars. | lb. | .95 | - .97 |
| Citronellal, bots., dms. | lb. | 1.50 | - 2.25 |
| Citronellol, bots., dms. | lb. | 1.75 | - 2.00 |
| Clove, Amboyna, bgs. | lb. | .25 | - .26 |
| Madagascar | lb. | .22 | - .22½ |
| Zanzibar | lb. | .19 | - .19½ |
| Clover tops, red, bgs. | lb. | .35 | - .40 |
| dom., bgs. | lb. | .30 | - .35 |
| Coaltar, coal-gas, crude, bbls., c.l., works. | bbls. | 7.50 | - 7.75 |
| l.c.l., works | bbl. | 8.25 | - 8.50 |
| tanks, works | gal. | .07½ | - .09 |
| refd., bbls., c.l., works | bbl. | 8.00 | - 8.25 |
| l.c.l., works | bbl. | 9.75 | - 9.00 |
| tanks, works | gal. | .08½ | - .10 |
| water-gas, crude, dms., c.l., works. | dm. | 7.50 | — |
| l.c.l., works | dm. | 8.25 | — |
| refd., dms., c.l., works | dm. | 8.00 | — |
| l.c.l., works | dm. | 8.75 | — |
| Cobalt acetate, bbls., kgs., dlvd. | lb. | .80½ | — |
| Carbonate, powd., bgs., works. | lb. | 1.58 | — |
| Chloride, kgs., works. | lb. | .85 | — |
| Hydrate, bbls. | lb. | 1.98 | — |
| Linoleate, paste, 5%, dms. | lb. | .31 | — |
| solid, 8½%, bbls. | lb. | .33 | — |
| Oleate, bbls. | lb. | .25 | Nom. |
| Oxide, black, kgs. | lb. | 1.84 | — |
| Resinate, fused A, bbls. | lb. | .13½ | — |
| 1 %, cobalt oxide, bbls. | lb. | .13 | — |
| 2 %, cobalt oxide, bbls. | lb. | .14 | — |
| 3½%, cobalt oxide, bbls. | lb. | .17½ | — |
| precip., dms., dlvd. | lb. | .34 | — |
| Sulphate, dms. | lb. | .65 | — |
| Cocaine, hydrochloride, 100 ozs., cns. | oz. | 9.75 | — |
| Cochineal, gray, bgs. | lb. | .37 | - .38 |
| Teneriffe, silver, bgs. | lb. | .38 | - .39 |
| Cocoa butter, bulk, c.l., bgs. | lb. | .24 | - .24½ |
| Cocillana bark, bgs. | lb. | .25 | - .30 |
| Codeine, cns., 100 ozs. | oz. | 11.70 | — |
| Hydrochloride, cns., 100 ozs. | oz. | 10.50 | — |
| Phosphate, cns., 100 ozs. | oz. | 9.00 | — |
| Sulphate, cns., 100 ozs. | oz. | 9.50 | — |
| Codliver oil (see Oil, codliver). | | | |
| Cohosh, black, root, bls. | lb. | .07 | - .08 |
| Blue, root, bls. | lb. | .07 | - .08 |
| Colchicine, bots., cns. | oz. | 25.00 | -26.00 |
| Colchicum seed, bgs. | lb. | 2.50 | Nom. |
| Collodion, USP, dms., 325 lbs. | lb. | .15 | — |
| cns., 25 lbs. | lb. | .19 | - .20 |
| flexible, USP, dms., 325 lbs. | lb. | .17 | — |
| cns., 25 lbs. | lb. | .21 | - .22 |
| Colocynth pulp, bls. | lb. | .95 | - 1.00 |
| Colombo root, bls. | lb. | .20 | - .21 |
| Coltsfoot leaves, bgs. | lb. | .35 | - .40 |
| Condurango bark, bgs. | lb. | .11 | - .12 |
| Conium leaves, bls. | lb. | .30 | - .32 |
| Copaiba balsam, Para, cns. | lb. | .32 | - .33 |
| S.A., USP, cns. | lb. | .34 | - .35 |
| Copper acetate, normal, bbls., dlvd. | lb. | .24 | — |
| smaller containers, dlvd. | lb. | .26 | — |
| Carbonate, 52-54%, bbls. | lb. | .16¼ | - .18 |
| Chloride, anhyd., bbls. | lb. | .16 | - .18 |
| cryst. | lb. | .13½ | - .14½ |
| Cyanide, tech., bbls. | lb. | .34 | - .36 |
| Iodide, bots. | lb. | 5.15 | - 5.19 |
| Metal, electrolytic. | lb. | .12 | - .12½ |
| Nitrate, cryst., bbls. | lb. | .20 | Nom. |
| Oleate, precip., bbls. | lb. | .20 | — |
| Oxide, black, bbls., tons, works, | lb. | .18½ | - .20 |
| Red, com'l, kgs., f.o.b. N. Y. | lb. | .19 | - .21 |
| Resinate, precip., bbls. | lb. | .15 | - .16 |
| Sulphate, 99%, cryst., bbls., c.l., f.o.b. works. | 100 lbs. | 4.75 | — |
| l.c.l., 16-50 bbls., same basis, | 100 lbs. | 4.90 | — |
| 6-15 bbls., same basis, | 100 lbs. | 5.00 | — |
| 1-5 bbls., same basis, | 100 lbs. | 5.25 | — |
| monohydrated, dms., c.l., dealers, f.o.b. works. | 100 lbs. | 8.60 | — |
| l.c.l., dealers. | 100 lbs. | 9.60 | — |
| Copperas, cryst., gran., bgs., c.l., works. | ton. | 17.00 | — |
| bbls., c.l., works. | ton. | 20.00 | — |
| l.c.l., 25 or over, works, | 100 lbs. | 1.55 | — |
| 1-4, works. | 100 lbs. | 2.00 | — |
| bulk, c.l., works. | ton. | 14.00 | — |
| Copra, Coast, ship. | lb. | .0385 | — |
| Coriander, bgs. | lb. | .10 | - .10½ |
| bleached, bgs. | lb. | .11 | - .11½ |
| Corn silk, bls. | lb. | .22 | - .23 |
| Corn sugar, tanners', chipped, bgs., c.l., dlvd. | 100 lbs. | 4.05 | — |
| slabs, bbls., c.l. | 100 lbs. | 3.41 | — |
| solid, bbls., c.l. | 100 lbs. | 3.53 | — |
| Syrup, 42°, bbls., c.l. | 100 lbs. | 3.52 | — |
| 44° bbls., c.l. | 100 lbs. | 3.57 | — |
| Corrosive sublimate, cryst., dms., 50 lbs. or more | lb. | 2.19 | — |
| gran., powd., dms., 50 lbs. or more | lb. | 2.04 | — |
| Cottonroot bark, bls. | lb. | .10 | - .11 |
| Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd. | unit-ton. | 1.00 | — |
| meal, 8%, Southeast, mills. | ton. | 26.00 | -26.50 |
| Coumarin, 5 lbs. or more, 25-lb. cns. | lb. | 2.75 | - 3.00 |
| 5-lb. cns. | lb. | 2.85 | - 3.10 |
| 1-lb. cns. | lb. | 3.00 | - 3.25 |
| 1-oz. cns. | lb. | 3.35 | - 3.60 |
| less than 5 dms., cns. | lb. | 4.15 | - 4.65 |
| Cramp bark, genuine, bls. | lb. | .20 | - .45 |
| so-called, bls. | lb. | .06 | - .07 |
| Cranesbill root, bls. | lb. | .10 | - .18 |
| Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. | lb. | .52½ | — |
| smaller lots, bbls. | lb. | .53 | — |
| kgs. | lb. | .53½ | — |
| Creosote, beechwood, bots. | lb. | .70 | Nom. |
| hardwood, USP, bots. | lb. | .45 | - .47 |
| Pine, dms. | gal. | .28 | — |
| Carbonate, bots., cbys. | lb. | 1.90 | - 2.29 |
| Oil, crude, tanks, works. | gal. | .13½ | - .14½ |
| Coaltar, solution, tanks, works. | gal. | .122 | - .132 |
| refd., bbls., l.c.l., works. | gal. | .25 | — |
| tanks, works. | gal. | .18 | - .18½ |
| Cresol, USP, dms., c.l., works. | lb. | .09¾ | — |
| l.c.l., same basis. | lb. | .10¼ | — |
| special resin grade, dms., c.l., works. | lb. | .08¾ | — |
| l.c.l., same basis. | lb. | .09¼ | — |
| Crotonaldehyde, 97%, 55 and 110 gal., c.l., works. | lb. | .13 | — |
| l.c.l., works. | lb. | .14 | — |
| 5 and 10-gal. dms., works. | lb. | .15 | — |

Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C.....lb. .19 - .21
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½- .19
Cyprus, bgs.....lb. .18½- .19
Indian, bgs.....lb. .16½- .17
Persian, bgs.....lb. .16¾- .17¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran.. dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

# D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls..lb. .75 - .80
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08 - .08½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08 - —
l.c.l., bgs.....lb. .09 - .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Diethyl phthalate, dms., c.l., frt. alld..lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08½- .09
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .23 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.35.00 - —
Venezuelan .....ton.38.00 - —
Doggrass root, cut, NF, bls...lb. .80 - .85
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

## Cryolite—Dyes

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .80 - .90
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25


Clean, Odorless

DUSTPROOFING & SURFACE-BINDING

FOR ALL UNPAVED SURFACES

SOLVAY
Calcium Chloride

**For Low Cost Improvement of Unpaved Streets . . .** The Solvay Calcium Chloride method of *surface consolidation* is ideal for improving unpaved streets at remarkably low costs. The savings in maintenance expense often more than pay for the treatment. Streets maintained with Solvay Calcium Chloride also make *excellent bases* for future high type paving.

**For Dustlaying, Surface Binding and Weed Prevention On** *Tennis Courts, School Yards, Playgrounds, Park Areas, Athletic Fields, Parking Lots.* Solvay Calcium Chloride has been used over 20 years to end dust and weeds. It does not track or stain . . . requires no previous experience or elaborate equipment . . . is definitely low in cost.

**Better Concrete at Lower Cost . . .** Save time, money and labor on all concrete work and obtain denser, stronger concrete by adding Solvay Calcium Chloride to the mix. Streets repaired with Portland Cement to which Solvay Calcium Chloride has been added can be opened to traffic in less than one half the usual time. Increases early as well as ultimate strength.

★ ★ ★ 60th ANNIVERSARY 1881 • 1941 ★ ★ ★

SOLVAY SALES CORPORATION
*Alkalies and Chemical Products Manufactured by The Solvay Process Company*
40 RECTOR STREET • NEW YORK, N. Y.

SOLVAY SALES CORPORATION • 40 Rector Street, New York, N. Y.
*Gentlemen:* Please send me the literature which I have checked below:
☐ Dustlaying Booklet: "CLEAN, WHITE FLAKES THAT END DUST AND WEEDS"
☐ Road Book: "BETTER BASES FOR BETTER ROADS" (Second Edition)
☐ Concrete Book: "CALCIUM CHLORIDE AND PORTLAND CEMENT"
*Name*.....
*Affiliated with*.....
*Position*.....
*Address*.....
*City*..... *State*..... AG-641

## Dyes—Gum, Copal

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—

| | | | |
|---|---|---|---|
| 304 Paper yellow | lb. | .83 | - .90 |
| 365 Chrysophenin G | lb. | .68 | - .70 |
| 394 Direct violet N | lb. | 1.25 | - 1.35 |
| 382 Direct scarlet B | lb. | 1.50 | - 1.75 |
| 387 Direct violet B | lb. | 1.00 | - 1.30 |
| 401 Developed black BHN, | lb. | .45 | - .60 |
| 406 Direct blue 2B | lb. | .25 | - .30 |
| 415 Direct orange R | lb. | .60 | - .70 |
| 419 Direct fast red F | lb. | .75 | - .85 |
| 420 Direct brown M | lb. | 1.00 | - 1.10 |
| 448 Benzo purpurin 4B | lb. | .40 | - .42 |
| 495 Benzo purpurin 10B | lb. | .40 | - .50 |
| 502 Direct azurin G | lb. | .75 | - .80 |
| 512 Direct blue RD | lb. | .80 | - 1.00 |
| 518 Direct pure blue 6B | lb. | 1.10 | - 1.25 |
| 520 Direct pure blue | lb. | .50 | - 1.00 |
| 529 Direct fast black, FF | lb. | .55 | - 1.00 |
| 581 Direct black EW | lb. | .25 | - .50 |
| 582 Direct black RX | lb. | .35 | - .45 |
| 592 Direct green B | lb. | .75 | - .80 |
| 594 Direct green G | lb. | 1.00 | - 1.05 |
| 596 Direct brown 3GO | lb. | .85 | - 1.00 |
| 620 Direct yellow R | lb. | 1.25 | - 1.50 |
| 698 Acid violet | lb. | 1.00 | - 3.00 |
| 812 Primulin | lb. | .50 | - .52 |
| 814 Direct fast yellow | lb. | 2.00 | - 2.25 |
| 845 Nigrosin (water soluble), | lb. | .35 | - .50 |
| 1177 Indigo, 20 p.c. paste | lb. | .15 | - .18 |
| Benzo fast black L | lb. | .90 | - 1.00 |
| Sulphur black | lb. | .20 | - .25 |
| Sulphur blue | lb. | .40 | - 1.00 |
| Sulphur brown | lb. | .25 | - .50 |
| Sulphur maroon | lb. | .40 | - — |
| Sulphur olive | lb. | .25 | - .54 |
| Sulphur yellow | lb. | .30 | - .50 |
| Zambesi black | lb. | .75 | - .80 |

Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

| | | | |
|---|---|---|---|
| Black:— | | | |
| 865 Nigrosin derivatives | lb. | .38 | - .62 |
| Blue:— | | | |
| 1075 Alizarin astrol base | lb. | 15.00 | - — |
| 1078 Alizarin cyanin green base | lb. | 6.00 | - — |
| Brown:— | | | |
| Brown | lb. | 1.15 | - — |
| Green:— | | | |
| 1078 Alizarin cyanin green | lb. | 5.00 | - — |
| Green | lb. | .75 | - — |
| Orange:— | | | |
| 24 Sudan I | lb. | .75 | - — |
| Red shade | lb. | .75 | - — |
| Red:— | | | |
| 75 Sudan II | lb. | 1.05 | - — |
| 258 Sudan IV | lb. | .95 | - — |
| 749 Rhodamine B (oil pink), | lb. | 2.50 | - — |
| 1080 Anthraquinone violet base | lb. | 6.00 | - — |
| 680 Oil violet | lb. | .50 | - — |
| Yellow:— | | | |
| 15 Amidoazobenzene yellow | lb. | .90 | - — |
| 17 Amidoazotoluene yellow, | lb. | .75 | - — |
| 61 Yellow OB | lb. | 1.40 | - — |

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

| | | | |
|---|---|---|---|
| Black:— | | | |
| 864 Nigrosin | lb. | .38 | - .44 |
| Blue:— | | | |
| 860 Indulin | lb. | .60 | - .70 |
| Brown:— | | | |
| 331 Bismarck brown | lb. | 1.50 | - — |
| Green:— | | | |
| 637 Malachite green base | lb. | 2.00 | - — |
| Orange:— | | | |
| 20 Chrysoidin G | lb. | .95 | - — |
| 21 Chrysoidin R | lb. | .95 | - — |
| Red:— | | | |
| 677 Fuchsin, magenta base, | lb. | 7.25 | - — |
| 749 Rhodamine B | lb. | 4.75 | - — |
| Yellow:— | | | |
| 67 Amidoazotoluene yellow, | lb. | .75 | - — |
| 655 Auramine | lb. | 2.00 | - — |
| 900 Chinolin yellow SS | lb. | 2.00 | - — |
| Violet:— | | | |
| 680 Methyl violet base | lb. | .85 | - — |

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—

| | | | |
|---|---|---|---|
| Black:— | | | |
| 246 Naphthol blue black S | lb. | .50 | - — |
| 873 Methylene gray | lb. | 1.50 | - — |
| Blue:— | | | |
| 714 Patent blue A | lb. | 1.45 | - — |
| 729 Victoria blue B | lb. | 2.00 | - — |
| 861 Indulin | lb. | .87 | - — |
| 900 New blue R | lb. | 1.30 | - — |
| 922 Methylene blue | lb. | 1.00 | - — |
| 1054 Alizarin saphirol B | lb. | 1.90 | - — |
| 1180 Indigotin IA | lb. | .85 | - — |
| Brown:— | | | |
| 234 Resorcin brown Y | lb. | .65 | - — |
| 235 Resorcin dark brown R, | lb. | .66 | - — |
| 281 Bismarck brown G | lb. | .40 | - .52 |
| 332 Bismarck brown R | lb. | .50 | - .52 |
| 798 Phosphin | lb. | 4.65 | - — |
| Green:— | | | |
| 5 Naphthol green B | lb. | 1.00 | - — |
| 657 Malachite green | lb. | 1.35 | - — |
| 662 Brilliant green | lb. | 2.00 | - — |
| 866 Guinea green B | lb. | 1.15 | - — |
| 737 Wool green S | lb. | .58 | - — |
| 924 Methylene green B | lb. | 1.55 | - — |
| 1078 Alizarin cyanin green | lb. | 2.35 | - — |
| Orange:— | | | |
| 10 Chrysoidin G | lb. | .40 | - — |
| 21 Chrysoidin R | lb. | .37 | - — |
| 27 Orange G | lb. | .50 | - — |
| 151 Orange Y | lb. | .30 | - — |
| 161 Orange R | lb. | .34 | - — |
| 31 Amidonaphthol red G | lb. | .42 | - — |
| 37 Amidonaphthol red 6B, | lb. | .68 | - — |
| 79 Popceau R | lb. | .48 | - — |
| 86 Fast red E | lb. | 1.05 | - — |
| 176 Fast red A | lb. | .54 | - — |
| 179 Azorubin | lb. | .60 | - .62 |
| 183 Crocein scarlet 3BX | lb. | .72 | - .75 |
| 185 Cochineal red A | lb. | .60 | - — |
| 252 Brilliant crocein M | lb. | .68 | - — |
| 677 Fuchsin | lb. | 2.10 | - — |
| 749 Rhodamine B | lb. | 3.50 | - — |
| 752 Rhodamine 6G | lb. | 4.50 | - — |
| 768 Eosin G | lb. | 1.50 | - — |
| 841 Safranin | lb. | 1.45 | - — |
| Violet:— | | | |
| 680 Methyl violet B | lb. | .75 | - — |
| 681 Crystal violet C | lb. | 1.75 | - — |
| 695 Acid violet 4BN | lb. | .88 | - — |
| Yellow:— | | | |
| 10 Naphthol yellow S | lb. | .88 | - — |
| 138 Metanil yellow | lb. | .53 | - — |
| 636 Fast light yellow | lb. | 1.25 | - — |
| 639 Xylene light yellow | lb. | 1.15 | - — |
| 640 Tartrazin | lb. | .80 | - — |
| 655 Auramine | lb. | 1.27 | - — |

Dyes, natural (see name of article).

## E

| | | | |
|---|---|---|---|
| Echniacea root, bls | lb. | .18 | - .19 |
| Egg albumen (see Albumen). | | | |
| yolk, dried, dom., bbls | lb. | .72 | - .75 |
| imported | lb. | .69 | - .71 |
| Elder flowers, bright, bls | lb. | .75 | - .80 |
| Elecampane root, bls | lb. | .14 | - .15 |
| Elm bark, grinding, bls | lb. | .11 | - .12 |
| powd., bbls., bxs | lb. | .19 | - .20 |
| select, bndls | lb. | .19 | - .21 |
| Emetine hydrochloride, bots | oz. | 24.00 | -25.00 |
| Ephedra, bls | lb. | .12 | - .13 |
| Ephedrine, USP hemihydrates, tins, | 1,000 ozs. | .70 | - — |
| | 100 ozs. | .80 | - — |
| anhyd., dms., 1,000-oz. lots | oz. | .75 | - — |
| 100-oz. lots | oz. | .85 | - — |
| Hydrochloride, tins, 1,000-oz. lots | oz. | .55 | - — |
| 100-oz. lots | oz. | .65 | - — |
| Sulphate, cryst., tins, 1,000-oz. lots | oz. | .53 | - — |
| 100-oz. lots | oz. | .63 | - — |
| Epsom salt, tech., bgs | 100 lbs. | 1.80 | - — |
| bbls. | 100 lbs. | 1.90 | - — |
| USP, cryst., dom., bgs., c.l., | 100 lbs. | 2.00 | - — |
| l.c.l., 5,000 lbs., 1 withdrawal | 100 lbs. | 2.25 | - — |
| smaller lots | 100 lbs. | 2.50 | - — |
| bbls., c.l. | 100 lbs. | 2.10 | - — |
| l.c.l., 5,000 lbs., 1 withdrawal | 100 lbs. | 2.35 | - — |
| smaller lots | 100 lbs. | 2.60 | - — |
| kgs., c.l. | 100 lbs. | 2.35 | - — |
| l.c.l., 5,000 lbs., 1 withdrawal | 100 lbs. | 2.60 | - — |
| smaller lots | 100 lbs. | 2.85 | - — |
| dried, bgs., l.c.l. | lb. | .08 | - .09 |
| Ergot, USP, cns., dms | lb. | 2.25 | - 2.30 |
| Eserine, bots | oz. | 50.00 | -60.00 |
| Salicylate, bots | oz. | 42.00 | -54.00 |
| Sulphate, bots | oz. | 42.00 | -54.00 |
| Ether, acetic (see Ethyl acetate). | | | |
| Butyl, l.c.l., dlvd | lb. | .25 | - — |
| Ethyl (see Ether, sulphuric). | | | |
| Nitrous, conc., bots., 100 lbs., | lb. | .73 | - — |
| Sulphuric, conc., 310-lb. dms | lb. | .11 | - — |
| 27-lb. dms | lb. | .16 | - — |
| Synth., dms., c.l., work | lb. | .10 | - — |
| l.c.l., works | lb. | .11 | - — |
| tanks | lb. | .08 | - — |
| USP, anesthesia, hospitals, 1-lb. cns | lb. | .52 | - .53 |
| Ethyl acetate, 85-90%, dms., c.l., frt. alld | lb. | .07½- | .08½ |
| l.c.l., frt. alld | lb. | .08 | - .09 |
| tanks, frt. alld | lb. | .06½- | .07½ |
| 95-98%, dms., c.l., frt. alld | lb. | .07¾ | - .08¾ |
| l.c.l., frt. alld | lb. | .08¼- | .09¼ |
| tanks, frt. alld | lb. | .06¾- | .07¾ |
| NF, 190-lb. dms | lb. | .08 | - .08¾ |
| cns., 35 lbs | lb. | .13 | - .14 |
| Acetoacetate, dms., c.l., wks | lb. | .27½- | — |
| l.c.l., dms., works | lb. | .28 | - — |
| Benzoate, bots | lb. | 1.00 | - 1.25 |
| Bromide, tech., dms | lb. | .50 | - .55 |
| Caproate, cns | lb. | 1.06 | - — |
| Chloride, dms | lb. | .18 | - .20 |
| Cinnamate, cns | lb. | 3.50 | - 3.75 |
| Crotonate, 55-gal. dms., works, | lb. | .35 | - — |
| 1-gal. cns., works | lb. | 1.00 | - — |
| 5 and 10-gal. dms., works, | lb. | .75 | - — |
| Formate, cns., dms | lb. | .25 | - .26 |
| Iodide, bots | lb. | 3.50 | - 3.60 |
| Lactate, 55-gal. dms., works | lb. | .33½- | — |
| 5-gal. dms., works | lb. | .37½- | .39¼ |
| Oenanthate, dms | lb. | .75 | - 1.25 |
| Oxalate, dms., frt. alld | lb. | .25 | - — |
| Oxyhydrate, bots | gal. | 4.00 | - 6.00 |
| Silicate, l.c.l., dms., wks | lb. | .77 | - — |
| Vanillin, 25-lb. lots, cns | lb. | 6.00 | - — |
| 5-lb. lots, cns | lb. | 6.05 | - — |
| 1-lb. lots, cns | lb. | 6.15 | - — |
| Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld | lb. | .45 | - — |
| less than 5,000 lbs., same basis | lb. | .47 | - — |
| Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. | | | |
| West of Rockies, same basis | lb. | .0693- | .0742 |
| l.c.l., works, E. of Rockies, frt. alld | lb. | .0743- | .0792 |
| West of Rockies, same basis | lb. | .0746- | .0795 |
| Ethyleneglycol, dms., c.l | lb. | .0792- | .0841 |
| l.c.l. | lb. | .14¼- | — |
| tanks | lb. | .15½- | .15¾ |
| Monobutylether, dms., c.l., wks. | lb. | .12½- | — |
| l.c.l., works | lb. | .16¼- | — |
| tanks, works | lb. | .17¼- | .20¼ |
| monoethylether, dms., c.l., works | lb. | .15½- | — |
| l.c.l., works | lb. | .14½- | — |
| tanks, works | lb. | .15½- | .16¾ |
| Monoethylether, acetate, dm., c.l., works | lb. | .13¼- | — |
| l.c.l., dms | lb. | .11¼- | — |
| tanks, works | lb. | .12¼- | .15½ |
| Monomethylether, dms., c.l., works | lb. | .10¼- | — |
| l.c.l., works | lb. | .15½- | — |
| tanks, works | lb. | .16½- | — |
| Ethylidinanilin, dms | lb. | .14¼- | — |
| Eucalyptol, cns., dms | lb. | .45 | - .47¼ |
| Eucalyptus leaves, bls | lb. | .80 | - .90 |
| Eugenol, cns., dms | lb. | .11 | - .12 |
| Euphorbia, bls | lb. | 1.75 | - 2.00 |

## F

| | | | |
|---|---|---|---|
| Feldspar, enamel, 100 mesh, bulk, works | ton. | 14.00 | -17.50 |
| l.c.l., minimum 2 tons | ton. | 17.00 | -20.50 |
| glass, 20 mesh, bulk, works | ton. | 9.75 | -12.25 |
| l.c.l., minimum 2 tons | ton. | 12.75 | -16.25 |
| pottery, bulk, Me., works | ton. | 17.00 | -19.00 |
| N. C., works | ton. | 17.00 | -19.00 |
| l.c.l., minimum 2 tons | ton. | 20.00 | -22.00 |
| Fennel seed, Argentine, bgs | lb. | .16 | - .16½ |
| French, bgs | lb. | .35 | Nom. |
| Indian, bxs | lb. | .11¼- | .12 |
| German, large, bgs | lb. | .33 | Nom. |
| Roumanian, bgs | lb. | .11¼- | .12 |
| Fenugreek seed, bgs | lb. | .06½- | .07 |
| Ferric, sulphate, anhyd., c.l., works | ton. | 35.00 | - — |
| l.c.l. | ton. | 40.00 | - — |
| Film scrap, colors, dark, cs., 1,000 lbs. or over, works | lb. | .12 | - — |
| smaller lots, works | lb. | .13 | - — |
| light, cs., 1,000 lbs. or over, works | lb. | .13 | - — |
| smaller lots, works | lb. | .15 | - — |
| water white, cs., 1,000 lbs. or over, works | lb. | .14 | - — |
| smaller lots, works | lb. | .15 | - — |
| Fir balsam, Canada, cns | gal. | 16.50 | -17.00 |
| Oregon, bbls | gal. | 1.10 | - 1.25 |
| Fish berries, bxs | lb. | .26 | - .27 |
| Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures | unit-ton. | 4.40 & | .10 |
| Fish scrap, meal, bgs., f.o.b. Balto | ton. | 62.00 | - — |
| 6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts | unit-ton. | 2.75 & | .50 |
| sardine, Japanese, 11½% ammon., bgs., c.l.f. ports | ton. | No prices | |
| Flake white, dem., bbls | lb. | .09 | - — |
| kegs | lb. | .11 | - — |
| Fleaseed, French, black, bgs | lb. | .55 | - .60 |
| Indian, blonde, bgs | lb. | .10 | - .11 |
| Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines, net ton. | | 29.00 | - — |
| washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines | net ton. | 19.00 | -21.00 |
| No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines | net ton. | 19.00 | -21.00 |
| imported, 85.5, duty paid, short ton. | | No prices | |
| Formaldehyde, bbls., c.l., works, | lb. | .0550- | — |
| l.c.l., works | lb. | .06 | - — |
| dms., c.l., works | lb. | .0515- | — |
| l.c.l., works | lb. | .0565- | — |
| Fringetree bark, bls | lb. | .14 | - .15 |
| Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines | ton. | 15.00 | - — |
| import, bgs., c.l., ex dock | ton. | No prices | |
| l.c.l., ex whse | ton. | No prices | |
| Furfural, ref., dms., c.l., works, | lb. | .15 | - — |
| l.c.l., works | lb. | .17½- | .25 |
| tech., dms., contracts, 150,000 lbs. | lb. | .10 | - — |
| c.l., works | lb. | .12½- | — |
| l.c.l., works | lb. | .15 | - .20 |
| tanks, works | lb. | .09 | - — |
| Fusel oil, refd., dms., incl., dlvd., | lb. | .16 | - .17¼ |
| Fustic extract, cryst., bbls | lb. | .24 | - .25 |
| liquid, bbls | lb. | .10½- | .14 |
| solid, dms | lb. | .19 | - .21 |

## G

| | | | |
|---|---|---|---|
| G salt, bbls | lb. | .45 | - — |
| Galangal root, bls | lb. | .11 | - .12 |
| Gambier, common, cases | lb. | .09 | Nom. |
| plantation, cases | lb. | .11½ | Nom. |
| cubes, Singapore, cases | lb. | .10½ | Nom. |
| extract, bbls | lb. | .09½- | .12 |
| Gasoline at refinery:— | | | |
| Bayonne, US motor, tanks, ex tax | gal. | .07 | - .07½ |
| California (f.o.b. San Francisco), regular, trucks, tax incl | gal. | .14½- | — |
| Gulf Coast, US motor, 72-74 octane, tanks, ex tax | gal. | .07¼- | — |
| Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax | gal. | .05 | - .05¾ |
| Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax | gal. | .05¾- | .05¾ |
| natural, 18-55, tanks | gal. | .03¾- | .04 |
| 26-70, tanks | gal. | .03¼- | .03¾ |
| Gelatine, silver, cs | lb. | .60 | - .67 |
| Geisemium root, bls | lb. | .14 | - .15 |
| Gentian root, bls | lb. | .60 | - .65 |
| grd., bbls., bxs | lb. | .62 | - .67 |
| powd., bbls., bxs | lb. | .63 | - .68 |
| Geraniol, 92-96%, cns., dms | lb. | 1.41 | - 2.05 |
| other grades, cns., dms | lb. | 1.25 | - 1.85 |
| soap, cns., dms | lb. | .65 | - 1.00 |
| Ginger, African, No. 1, bgs | lb. | .13 | - .13½ |
| Cochin, lemon, nearby, bgs | lb. | .12½- | .13 |
| Jamaica, bold, bgs | lb. | .20 | - .21 |
| medium, bgs | lb. | .19½- | .20 |
| grinding, bright, bgs | lb. | .18½- | .19 |
| Japanese, bgs | lb. | No stocks | |
| Ginseng root, wild Southern, cs. | lb. | 12.00 | -13.00 |
| Glauber's salt, anhyd. (see Soda Sulphate). | | | |
| cryst., dom., bgs., bbls., c.l., works | 100 lbs. | .95 | - 1.18 |
| 5 tons or over, works, | 100 lbs. | 1.05 | - 1.25 |
| less than 5 tons, works, | 100 lbs. | 1.15 | - 1.35 |
| import, bgs | 100 lbs. | No prices | |
| Glue, bone, calcimine type, 24 milliposes, 36 jelly-grams, bgs., c.l., dlvd | lb. | .16 | Nom. |
| l.c.l., dlvd | lb. | .16½ | Nom. |
| 36/58 bgs., c.l., dlvd | lb. | .15½ | Nom. |
| l.c.l., dlvd | lb. | .16 | Nom. |
| 58/82 bgs., c.l., dlvd | lb. | .17 | Nom. |
| l.c.l., dlvd | lb. | .17½ | Nom. |
| 82/108 milliopose, bgs., c.l., dlvd | lb. | .17½ | Nom. |
| l.c.l., dlvd | lb. | .18 | Nom. |
| hide, calcimine type, 58 milliposes, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. | lb. | .18 | Nom. |
| l.c.l., same basis | lb. | .18½ | Nom. |
| 60/164, bgs., c.l., same basis, | lb. | .18½ | Nom. |
| l.c.l., same basis | lb. | .20 | Nom. |
| 67/122, bgs., c.l., same basis, | lb. | .20½ | Nom. |
| l.c.l., same basis | lb. | .21 | Nom. |
| 75/222, bgs., c.l., same basis, | lb. | .23½ | Nom. |
| l.c.l., same basis | lb. | .24½ | Nom. |
| 63/251, bgs., c.l., same basis, | lb. | .23½ | Nom. |
| l.c.l., same basis | lb. | .25½ | Nom. |
| 92/283, bgs., c.l., same basis, | lb. | .25½ | Nom. |
| l.c.l., same basis | lb. | .26½ | Nom. |
| 102/315, bgs., c.l., same basis | lb. | .26½ | Nom. |
| l.c.l., same basis | lb. | .27 | Nom. |
| 113/347, bgs., c.l., same basis | lb. | .27 | Nom. |
| 125/379, bgs., c.l., same basis | lb. | .28 | Nom. |
| l.c.l., same basis | lb. | .29 | Nom. |

Glue prices for barrel packing, ¼c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.

| | | | |
|---|---|---|---|
| Glycerin, CP, cns., l.c.l. | lb. | .16½- | .17 |
| dms., c.l., dlvd | lb. | .14½- | — |
| l.c.l., dlvd | lb. | .15 | - — |
| tanks, dlvd | lb. | .14¼- | — |
| dynamite, dms | | Nominal | |
| high gravity, dms., c.l., dlvd | lb. | .14 | - — |
| l.c.l., dlvd | lb. | .14½- | — |
| tanks, dlvd | lb. | .13¾- | — |
| saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd | lb. | .11½- | — |
| l.c.l., same basis | lb. | .12¼- | — |
| tanks | lb. | .11 | - — |
| refiners, dms. returnable, tanks, dlvd | lb. | .10 | Nom. |
| soaplye, basis 80%, dms., returnable, tanks, dlvd | lb. | .09 | Nom. |
| Glycine, medicinal, bbls., tins | lb. | 1.70 | - 2.00 |
| Glycol boriborate, dms | lb. | .22 | - — |
| Phthalate, dms | lb. | .38 | - — |
| Stearate, dms | lb. | .26 | - — |
| Gold, U.S. purchase price | oz. | 35.00 | - — |
| Chloride, acid brown, both | oz. | 20.75 | -21.00 |
| yellow, bots | oz. | 18.75 | -19.00 |
| Gold-soda chloride, photo., bots., | oz. | 13.00 | - — |
| USP IX, bots | oz. | 14.50 | -14.75 |
| Gold of pleasure, seed, bgs | lb. | .20 | - .21 |
| Goldenseal, root, bls | lb. | 3.00 | - 3.25 |
| powd., bxs | lb. | 3.25 | - 3.50 |
| Grains of paradise, bgs | lb. | .40 | - .41 |
| Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works | lb. | .07 | - — |
| bbls., c.l., works | lb. | .07¼- | — |
| l.c.l., works | lb. | .07½- | — |
| Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works | lb. | .02½- | — |
| l.c.l., works | lb. | .03¼- | — |
| bbls., c.l., works | lb. | .02¾- | — |
| 80% graphite, carbon, bgs., c.l., works | lb. | .03¼- | — |
| bbls., c.l., works | lb. | .03¾- | — |
| l.c.l., works | lb. | .04¼- | — |
| Grease, house | lb. | .07½ | Nom. |
| white | lb. | .07¾- | — |
| yellow | lb. | .07¾- | — |

Wool (see Adeps lanae and Degras).

| | | | |
|---|---|---|---|
| Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis | lb. | .21 | - — |
| 6-10%, bbls., same basis | lb. | .22 | - — |
| 11-15%, bbls., same basis | lb. | .23 | - — |
| 16-20%, bbls., same basis | lb. | .23½- | — |
| 21-25%, bbls., same basis | lb. | .24 | - — |
| 26-30%, bbls., same basis | lb. | .24½- | — |
| 31-35%, bbls., same basis | lb. | .25½- | — |
| 36-40%, bbls., same basis | lb. | .27 | - — |
| 41-45%, bbls., same basis | lb. | .28½- | — |
| 46-50%, bbls., same basis | lb. | .30 | - — |

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

| | | | |
|---|---|---|---|
| reduced, CP, color content up to 5%, same basis | lb. | .06 | - — |
| color content 9-10%, bbls., same basis | lb. | .06¾- | — |
| 11-13%, bbls., same basis, | lb. | .07¼- | — |
| 14-16%, bbls., same basis, | lb. | .07½- | — |
| 17-19%, bbls., same basis, | lb. | .07¾- | — |
| 20-21%, bbls., same basis, | lb. | .08 | - — |
| 22-23%, bbls., same basis, | lb. | .08¼- | — |
| 24-25%, bbls., same basis, | lb. | .08½- | — |
| 26-27%, bbls., same basis, | lb. | .08¾- | — |
| 28-29%, bbls., same basis, | lb. | .09¼- | — |
| 30-31%, bbls., same basis, | lb. | .10 | - — |
| 32-33%, bbls., same basis, | lb. | .11¼- | — |
| 34-35%, bbls., same basis, | lb. | .12¼- | — |
| 36-40%, bbls., same basis, | lb. | .14¼- | — |
| 41-45%, bbls., same basis, | lb. | .16¼- | — |
| 46-50%, bbls., same basis, | lb. | .18¾- | — |
| 51-55%, bbls., same basis, | lb. | .17¼- | — |
| 56-60%, bbls., same basis, | lb. | .17¾- | — |
| 61-65%, bbls., same basis, | lb. | .18¼- | — |
| 66-70%, bbls., same basis, | lb. | .19¼- | — |
| 71-75%, bbls., same basis, | lb. | .20¼- | — |
| Oxide, dom., pure, bbls | lb. | .25 | - — |
| ceramic, light shades, bbls., c.l., works | lb. | .25 | - — |
| l.c.l. works | lb. | .30 | - — |
| standard grade, bbls., works | lb. | .21 | - .23 |
| Tetrahydroxide, bbls | lb. | .65 | - — |
| Paris (see P). | | | |
| Tungstated, brilliant, kgs | lb. | 3.50 | - — |
| emerald, kgs | lb. | 2.35 | - — |
| Verdigris (see V). | | | |

Green dyes are listed under Dyes.

| | | | |
|---|---|---|---|
| Grindella robusta, bls | lb. | .09 | - .10 |
| Guaiac resin, cs | lb. | .30 | - .35 |
| strained, cs | lb. | .85 | - .90 |
| Wood, bls | lb. | .04 | - .05 |
| Guaiacol, liq., dms | lb. | 1.55 | Nom. |
| Carbonate, fib. dms., 25 lbs | lb. | 2.40 | - 2.74 |
| Gum, guarana, powd., cs | lb. | 1.20 | - 1.25 |
| Aloe (see A). | | | |
| Ammoniac, tears, cs | lb. | .85 | - .90 |
| Arabic, amber sort, cleaned, bgs | lb. | .18 | - .19 |
| white, sorts, 1, bgs | lb. | .35 | - .36 |
| powd., bbls | lb. | .21 | - .22 |
| Asafetida (see A). | | | |
| Asphaltum (see A). | | | |
| Benzoin, Siam, cs | lb. | 2.50 | - 2.60 |
| Sumatra, cs | lb. | .23 | - .24 |
| Camphor (see C). | | | |
| Chicle, prime, 33% moisture, bgs., ton lots | lb. | .40 | - .42 |
| Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco | lb. | .49½- | — |

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

| | | | |
|---|---|---|---|
| 2, water white, bgs., c.l., same basis | lb. | .29½- | — |
| 3, selected pale straw bold, bgs., c.l., same basis | lb. | .24½- | — |
| 4, pale bold straw, bgs., c.l., same basis | lb. | .24 | - — |
| 5, pale straw bold, bgs., c.l., same basis | lb. | .22¾- | — |
| 6, pale amber bold, bgs., c.l., same basis | lb. | .21½- | — |
| 7, pale straw bold, bgs., c.l., same basis | lb. | .17 | - — |
| 8, light amber bold, bgs., c.l., same basis | lb. | .17 | - — |
| 9, medium light amber bold, bgs., c.l., same basis | lb. | .13¾- | — |
| 10, rescraped hard amber bold, bgs., c.l., same basis, | lb. | .13¾- | — |
| 11, hard dark amber bold, bgs., c.l., same basis | lb. | .12¾- | — |
| 12, selected bold sorts, bgs., c.l., same basis | lb. | .11¾- | — |
| 13, dark sorts bold, bgs., c.l., same basis | lb. | .09¼- | — |
| 14, selected, fully scraped, ivory, bgs., c.l., same basis, | lb. | .23¾- | — |
| 15, ordinary ivory sorts, bgs., c.l., same basis | lb. | .10¾- | — |

Gum, copal, Congo, 16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same bais..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs., bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs., bgs., c.l., same basis..lb. .17¼- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis. lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, b g s., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis. lb. .06¾- —
dust, bgs., c.l., same basis. lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis. lb. .08½- —
dust, bgs., c.l., same basis. lb. .05¼- —
nubs, bgs., c.l., same basis. lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis. lb. .12¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
B, bskts., c.l., same basis. lb. .11¾- —
C, bskts., c.l., same basis. lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis. lb. .12¾- —
DK, bskts., c.l., same basis. lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., same basis..lb. .10¾- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis. lb. .07¾- —
MB, bskts., c.l., same basis. lb. .07¼- —
WS,bskts., c.l., same basis. lb. .10 - —
A/D, cs., c.l., same basis. lb. .12¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale, sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .09¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis. lb. .14¾- —
split, bgs., c.l., same basis. lb. .13¾- —
chips, bgs., c.l., same basis. lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07½- —
chips,, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .06½- —
Ester, ordinary, c.l., dms., contract, dlvd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06 - —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .06¾- —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06¾- —

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .35 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —

Gum, Kauri, brown, 80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Soammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.60 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Gypsum, Keene's cement, paper bgs., Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
Import, bgs., ex dock.....ton.28.00 Nom.

## H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls.. works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07
Henbane leaves, bls.....lb. 2.75 - 3.00
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).


# Salient Features

## THAT GIVE DISTINCTION IN THE TRADE TO

# DOW EPSOM SALT

Back of Dow Epsom Salt are 27 years of experience in the production of U.S.P. material, culminating in 1927 in the perfection of a more advanced process. These modern methods yield white, sparkling, uniform, needle-shaped crystals.

Before any packaging operations are performed, Dow Epsom Salt is tested for chemical purity, freedom from foreign material, crystal form, dryness and odor.

These are salient features—the facts that assure you an exceptional product for use in medicinal practice and for veterinary purposes.

*Forms Offered*

**DOW EPSOM SALT, U.S.P.**

packed—barrels (350 lbs. net)
kegs (125 lbs. net)
waterproof bags (100 lbs. net)
cases of 12 5-lb. cloth bags or cartons

**DOW EPSOM SALT SPECIAL FOR STOCK FOOD**

packed—waterproof paper bags (100 lbs. net)

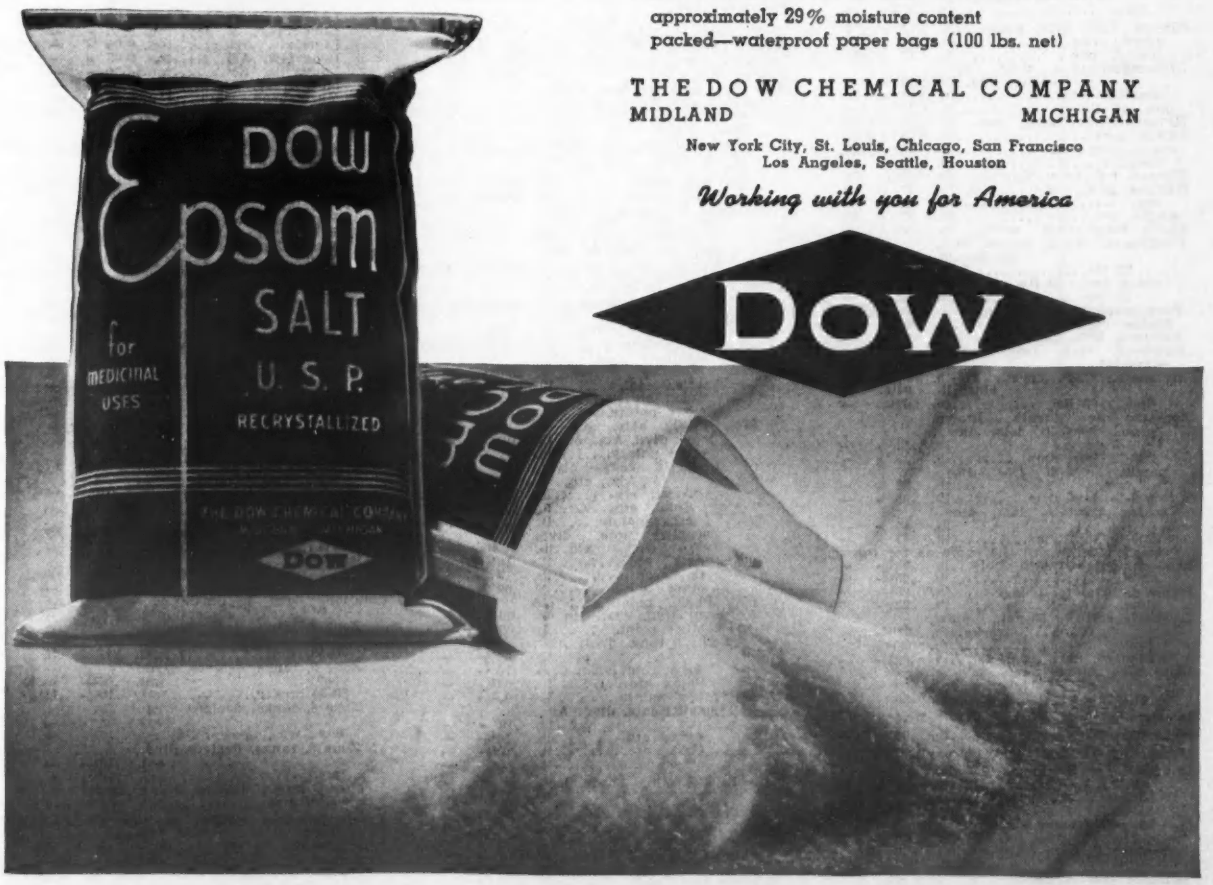
**DOW MAGNESIUM SULPHATE DESICCATED**

approximately 29% moisture content
packed—waterproof paper bags (100 lbs. net)

THE DOW CHEMICAL COMPANY
MIDLAND MICHIGAN

New York City, St. Louis, Chicago, San Francisco
Los Angeles, Seattle, Houston

*Working with you for America*



## Hexamethylene.—Malva Flowers

Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .35 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .35 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3.. gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -18.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.70 - 2.75
Hops, N.F., bls.....lb. .20 - 21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 oz...oz.20.00 - —
Sulphate, bots, 4 oz.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots..oz.65.00 -85.00
Hydrochloride, bots.....oz.74.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

## I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.70 - 1.75
powd., bxs.....lb. 1.80 - 1.85
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08¼- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutylacetate, 55-gal. dms., works..lb. .0790- —
tanks, works.....lb. .0690- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - .12
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- .08½
55 gals., l.c.l., E. of Rockies. frt. alld..lb. .08 - .09
tanks, E. of Rockies. frt. alld..lb. .06½- .07½
Alcohol (see Alcohol).
Isopropyl ether, dms., 5 gals., frt. alld..gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

## J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .34 - .45
powd., bbls., bxs.....lb. .39 - .50
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

## K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04½- .04⅝
Pennsylvania, 43 w.w., tanks, gal. .05½- .05¼
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

## L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.10.00 -10.25
Middlewestern, trcs....100 lbs. 9.70 - 9.80
Neutral, trcs.....100 lbs.10.75 -10.85
Western, choice, trcs..100 lbs. 9.80 - 9.90
Compound, trcs.....100 lbs.13.00 -13.25
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .40 - .41
Turkish, bls.....lb. .42 - .44
Portuguese, bls.....lb. .34 - .35
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09¾
l.c.l., bgs.....lb. .09½- .10¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
l.c.l., divd. E.....lb. .06½- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.60 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less $Pb_3O_4$, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0835- —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, $Pb_3O_4$, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala...lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
95% $Pb_3O_4$, bbls., c.l., (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.59 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Lead, titinate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., divd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .06¾- —
other points.....lb. .06½- —
l.c.l., divd. Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers.....lb. .11¼- —
painters.....lb. .12¼- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .24 Nom.
powd., bbls., bxs.....lb. .30 - .32
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .09 - —
dms., wks., except Cal. gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo. and Tenn. west of Tenn. River: Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 3.10 - 4.00
Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
90%, cns.....lb. 3.75 - 4.45
92%, cns.....lb. 4.25 - 5.00
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed cake, bgs., export...ton.21.00 Nom.
meal, bgs.....ton.24.00 - —
Litharge, com'l powd., bbls., 20-tons, divd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, divd., Ala..lb. .08¼- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls..lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

## M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .39 - .39½
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .06¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including divd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., divd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45

Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.60 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
¼rs, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10¼- —
single, bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.36.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .09 - .10
Menthol, natural, Chinese, cs..lb. 4.05 - 4.15
Japanese, cs.....lb. 4.10 - 4.20
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails. 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.00 - 4.05
Mercury, iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .50 - —
95%, tanks.....gal. .58 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone 1..gal. .30 Nom.
Zone 2.....gal. .32 Nom.
Zone 3.....gal. .34 Nom.
Zone 4.....gal. .34½ Nom.
dms., c.l., Zone 1.....gal. .35½ Nom.
Zone 2.....gal. .37½ Nom.
Zone 3.....gal. .39½ Nom.
Zone 4.....gal. 41½ Nom.
l.c.l., Zone 1.....gal. .38 Nom.
Zone 2.....gal. .45½ Nom.
Zone 3.....gal. .42 Nom.
Zone 4.....gal. .53½ Nom.

group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —

Methanol, synth., pure, tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Mass., Mich., Minn., Mo., N. H., N. J., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .35 Nom.
Zone 2.....gal. .37 Nom.
Zone 3.....gal. .39 Nom.
Zone 4.....gal. .39½ Nom.
dms., c.l., Zone 1.....gal. .40½ Nom.
Zone 2.....gal. .42½ Nom.
Zone 3.....gal. .44½ Nom.
Zone 4.....gal. .46½ Nom.
l.c.l., Zone 1.....gal. .43 Nom.
Zone 2.....gal. .50½ Nom.
Zone 3.....gal. .47 Nom.
Zone 4.....gal. .58½ Nom.

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

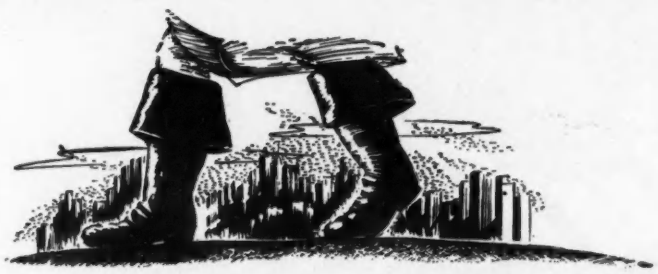
Methyl acetone, synthetic, tanks, Zone 1..gal. .38½- —
Zone 2.....gal. .40 - —
Zone 3.....gal. .41 - —
dms., c.l., Zone 1.....gal. .46½- —
Zone 2.....gal. .48 - —
Zone 3.....gal. .49 - —
l.c.l., Zone 1.....gal. .50 - —
Zone 2.....gal. .52½- —
Zone 3.....gal. .53½- —
Alcohol (see Methanol).

## Manaca Root—Metronite

Methyl, anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —

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For many years, up-and-down, around-and-across the world, we have been bridging the gap between chemical sources and users . . . have performed our functions for each customer like "a department of his own".

Most noteworthy about us, perhaps, is that we are large enough to have big-organization knowledge of the chemical business. Yet we are small enough for the needs of buyers and sellers of chemicals to be the personal concern of our principals. Customers often say our service is like having "seven-league-boots with old shoe comfort".

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ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

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441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

## Mica—Oil, Cananga

Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works.....lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
Mica, wet-grd., rubber, bgs., c.l., frt. alld. E..lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
Wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
spray, bbls., c.l.....lb. .09½- —
l.c.l. .....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l. .....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l. .....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¾- .02⅞
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .08½- —
f.o.b. Gulf ports.....gal. .08¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100% c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.60 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08¼- .08½
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27 - .28
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12 - .12½
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .08 - .08½

## N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .80½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.90 - —
f.o.b. Chemical, Ill..unit-ton. 1.90 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., os....lb. .26 - .29
Chinese .....lb. .21 - .22
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .13½- .14
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

## O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .02⅝- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. No stocks
s.p.a., bots.....lb. No stocks
sweet, true, exp., cns.....lb. 1.70 - 1.85
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.50 - 3.75
Angelica, root, bots.....lb.135.00 -150.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-60% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 1.50 - 2.25
natural, coppers.....lb.22.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .50 - .60
rect'fd., cns.....lb. 1.60 Nom.
Bois de rose, Brazil, cns....lb. 2.25 - 2.40
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .78 - 1.00
USP IX, cns.....lb. .83 - 1.45
USP X, cns.....lb. .98 - 1.85
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22 - .25
dms. .....lb. .19 - .22
white, cns.....lb. .23 - .32
dms. .....lb. .20 - .29
Cananga, native, cns.....lb. 7.25 - 7.50
rectified, cns.....lb. 7.75 - 8.00


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OIL, PAINT AND DRUG REPORTER

June 2, 1941

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# U.S.I. CHEMICAL NEWS

June ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1941

## Describes Emulsion For Matte Finishes On Coated Fabrics

### Novel Process Utilizes Ethyl Acetate, Cellulose Derivative

NEWBURGH, N. Y.—Dull finishes, free from a tendency to "crock," can be produced on coated fabrics by means of an emulsion of water and a cellulose derivative solution, it is claimed in a patent granted to an inventor here. Such dull finishes, it is pointed out, are particularly useful in the manufacture of fabricated leather, where very bright finishes are sometimes undesirable.

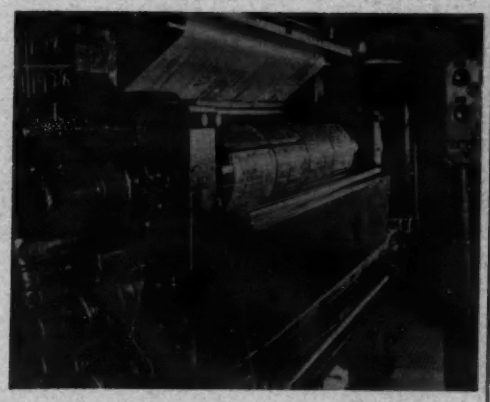
In a typical procedure outlined in the patent, a fabric is first coated with a composition of cellulose nitrate, ethyl alcohol, ethyl ace-

(*Continued on next page*)

## *Zein Solutions Suggested As Printing Ink Vehicles*

MERIDEN, Conn.—Printing inks that dry rapidly to form a tough, non-smudging, adherent coating may be formulated with the aid of zein, it is claimed in a patent granted to an inventor here.

The zein may be dissolved either in a direct solvent or in a mixture of direct solvent and



**Inks that dry rapidly and adhere strongly to the paper can be formulated with zein.**

non-solvent, it is said. The patent lists ethanol, ethylene glycol, and ethyl lactate among suitable solvents, while the non-solvent may be acetone, ethyl acetate, ethyl phthalate, butyl phthalate, butanol, or amyl alcohol.

It is claimed that inks formulated with these zein vehicles work easily on printing presses, and are adaptable to printing not only on paper, but also on cloth, glass, metal, and wood.

## Solox Demand on Up Trend

Solox, U.S.I.'s alcohol-type solvent, which has established itself in a wide variety of applications because of its excellent solvent powers and low cost, is now being used still more extensively in the current shortage of isopropanol. Industry is also showing increased interest in the various formulas of S.D. Alcohol, and a number of manufacturers who had substituted isopropanol for ethanol in their formulations are now reverting to ethanol.

# New Applications in Synthesis Seen for Ethyl Chloroformate

### Reactivity of U.S.I. Product Indicates Wide Potentialities In the Manufacture of a Broad Range of Organic Chemicals

Constantly broadening fields of utility for ethyl chloroformate (ethyl chlorocarbonate) are resulting from the further study of the reactions of this unusual compound. Although ethyl chloroformate has been manufactured by U.S.I. on a commercial scale for a number of years, many new applications have been recently uncovered, and it is probable that continued research will point the way to still broader potentialities.

A second factor contributing to the wider utility of ethyl chloroformate is the development by U.S.I. of improved manufacturing equipment and processing control which have permitted reductions in the price of this compound in the last few years.

Ethyl chloroformate is made by reacting carbon monoxide with gaseous chlorine to produce phosgene, which is then reacted with anhydrous ethanol, splitting off hydrochloric acid and yielding ethyl chloroformate. Because of the corrosive nature of the main raw materials, special equipment is necessary in manufacturing.

#### Major Applications

Among the outstanding applications of ethyl chloroformate are the production of flotation agents for ore refining and the preparation of ethyl carbonate (diethyl carbonate). Ethyl carbonate, produced by an exclusive process developed by U.S.I., is a neutral solvent used in special-purpose lacquers. Another interesting use of ethyl chloroformate is in the preparation of crystal violet.

Many other potentialities of ethyl chloroformate offer fertile fields for investigation. Some of the reactions of ethyl chloroformate are as follows:

1. With ammonia, it gives urethan; with hydroxylamine it gives N-hydroxy-urethan; with hydrazine hydrate it gives ethyl bicarbamate; with urethan or sodium urethan it gives ethyl imidodicarboxylate; with ethyl imidodicarboxylate it gives ethyl N-carbethoxy-imidodicarboxylate; with urea it gives ethyl allophanate and cyanuric acid; with guanidine it gives ethyl guanidine dicarboxylate; with sodium cyanamide or with cyanamide in

(*Continued on next page*)

## *U.S.I. Product Used as Tartrazine Intermediate*

Ethyl sodium oxalacetate, an unusual chemical developed by U.S.I., is being used in increasing quantities for the manufacture of dyestuffs of the Tartrazine type. Ethyl sodium oxalacetate is suitable for many other uses, and possesses the special advantage of high stability. The pure oxalacetic ester is relatively unstable, but the sodium derivative is stable.

## Unusual Flax By-Product Has Wide Potentialities

PISGAH FOREST, N. C.—Possibility of wide industrial utility is seen for flax shive, a by-product of the stalks of American flax, U.S.I. CHEMICAL NEWS has learned. The other component of the flax stalks, the bast fiber, is currently being used commercially with a high degree of success in the manufacture of American cigarette paper, but it is believed that the full potentialities of the flax shive have not yet been utilized.

Described as consisting largely of cellulose (53.78%) and pentosans (19.9%), the flax shive is regarded as a potential source of alpha cellulose, chlorophyll, pectin, xylose, and other materials.

Suggested commercial uses for the flax shive, in natural or processed form, are in plastics, activated carbon, paper, wall boards, fillers, insulation, packing material, fuel.

U.S.I. will be glad to refer readers to a source of further information on the possibilities of flax shive, which we are informed is available in large quantities and at low costs.

**Ore refining makes extensive use of flotation agents, many of which employ ethyl chloroformate as an intermediate. Many other forms of synthesis are possible with this compound.**

ADVERTISEMENT—*This entire page is a paid advertisement.*

June ★ # U.S.I. CHEMICAL NEWS ★ 1941

## Laboratory Simulates Cold of Stratosphere

CHICAGO, Ill.—The low pressures and temperatures of the stratosphere are being duplicated in the laboratory in an apparatus designed for training weather observers and in calibrating balloon recording instruments, it has been reported here.

Temperatures as low as —100° F. are being produced in the apparatus by means of a combination of alcohol and solid carbon dioxide, it is said.

Solid carbon dioxide ("DRY-ICE") is manufactured and distributed by Pure Carbonic, Incorporated, an associated company of U.S.I.

## *Dull-Coated Fabrics*

(*Continued from previous page*)

tate, pigment, and plasticizer, which produces a bright finish. After several coats of this composition, the fabric is prepared for the emulsion by a coating of cellulose nitrate, ethyl alcohol, and ethyl acetate.

The final coat, which produces the dull finish, is an emulsion consisting of:

| | Parts by weight |
|---|---|
| Cellulose nitrate | 9.10 |
| Water | 13.64 |
| Benzene | 40.86 |
| Plasticizer | 9.10 |
| Ethyl acetate | 27.30 |

Other cellulose derivatives may also be used, it is said. For example, a matte finish emulsion using ethyl cellulose may be prepared with the following proportions:

| | Parts by weight |
|---|---|
| Ethyl cellulose | 8.81 |
| Water | 17.64 |
| Plasticizer | 7.35 |
| Ethyl acetate | 66.20 |

Suitable plasticizers include butyl phthalate and castor oil. The process, according to the inventor, is not limited to fabrics, and may be applied also on wood, metal, glass, and other products.

## Discovers Ether Increases Toxic Effect of Fumigants

AMES, Iowa—That ether increases the toxicity of certain fumigants to the confused flour beetle is indicated by the results of experiments recently reported here.

Ether acts as a synergist with both carbon disulphide and carbon tetrachloride, according to the tests, increasing the toxic effect of these fumigants in all ether concentrations studied.

## *Ethyl Chloroformate In Organic Synthesis*

(*Continued from previous page*)

concentrated caustic soda solution it gives ethyl cyanamidedicarboxylate.

2. It condenses with metallic sodium and ethyl iodide to give ethyl secondary-butyl ketone and other products.

3. It reacts with phenyl magnesium bromide to give ethyl benzoate and triphenylcarbinol; with ethyl magnesium bromide it gives triethylcarbinol; with alkyl magnesium bromides it also gives ethyl alkylcarboxylates.

4. With allyl iodide in the presence of zinc, it gives among other things triallylcarbinol.

5. With metal compounds of alkylacetylenes it gives ethyl alkylacetylenecarboxylates.

6. With alcohols or alcoholates it gives neutral alkyl carbonates—either mixed ethyl carbonates, or di-substituted alkyl carbonates; with quinine there results quinine ethyl carbonate.

7. With phenol it gives ethyl phenyl carbonate and ethyl salicylate.

8. With sodium sulphide there results dicarbethoxy sulphide; with sodium ethanethiol there results ethyl thiolcarbonate.

9. With ethyl sodium malonate it gives ethyl methanetricarboxylate; with ethyl sodium methanetricarboxylate it gives ethyl methanetetracarboxylate. With ethyl sodium acetoacetate there results much O- and a little C-ethyl carbethoxyacetoacetate; with ethyl sodium cyanoacetate it gives ethyl cyanomalonate; with sodium benzoate it gives ethyl benzoate and benzoic anhydride; with sodium ethylene glycol it gives diethyl ethylene dicarbonate, from which ethylene carbonate can be obtained; with potassium cyanate there results carbethoxy isocyanate, and, depending on the conditions, the tricarbethoxy derivative of isocyanuric acid, and also the triethyl, the diethyl carbethoxy, and the ethyl dicarbethoxy derivatives of isocyanuric acid.

10. It reacts with benzene in the presence of aluminum chloride to give ethylbenzene.

11. With bromobenzene and sodium amalgam it reacts to give ethyl benzoate.

12. With acetone and potassium cyanide there results O-carbethoxy-alpha-hydroxyisobutyronitrile.

13. With phenol carboxylic acids and alkali there result carbethoxy derivatives.

(U.S.I. will gladly give additional information on ethyl chloroformate.)

## TECHNICAL DEVELOPMENTS

*Further information on these items may be obtained by writing to U.S.I.*

**A new phenolic resin** is described as especially suitable for formulating varnishes containing dehydrated castor, linseed, and treated fish or soybean oils as replacements for tung. According to the maker, the resin kettles easily, has good solubility, and promotes rapid bodying and hardness. **(No. 460)**

U S I

**A new inert** is reported to permit lower cost and better stability in paint formulation. It is said to have special advantages in lithopone, titanated lithopone, and titanated calcium sulphate formulations. It may also be employed as a white reinforcing filler in rubber compounding. **(No. 461)**

U S I

**A blackening process** for zinc and its alloys is reported to produce an adherent, jet-black finish in from 1 to 5 minutes. Process consists in immersing the metal parts in a hot water solution of the blackening salts. **(No. 462)**

U S I

**A concrete treatment** is said to clean, preserve, and color at low cost, without special equipment. Maker claims that the floor surface can be used within 15 to 30 minutes after treatment. **(No. 463)**

U S I

**New inks for glass** are described as non-corrosive, non-toxic, resistant to the action of many acids, including hot sulphuric, nitric, and hydrochloric, as well as to many organic solvents. **(No. 464)**

U S I

**A metal deactivator** increases the storage stability of petroleum distillates, according to the maker. Product is described as a liquid which forms stable complex compounds with various metals, reducing the ionization and catalytic activity of the metallic ions. **(No. 465)**

U S I

**A glossmeter** is said to be designed for testing samples for compliance with specifications for original gloss, and for measuring changes in gloss caused by weathering, wear, and abrasion. **(No. 466)**

U S I

**A new anti-skinning agent** is described as colorless and odorless. Maker says that it volatilizes almost immediately on application of the film, so that it does not affect drying time adversely. **(No. 467)**

U S I

**A luminous compound** is described as a liquid plastic rather than a paint. It is said that with proper activation the afterglow will last throughout an entire night. **(No. 468)**

U S I

**Colloidal iron oxide** is a new red pigment that is reported to be suitable for use in rubber compounding, paints, inks, and plastics. According to the maker, its behavior in rubber compounds resembles that of colloidal carbon. **(No. 469)**


# U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. USI SERVICE TO INDUSTRY BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

**ALCOHOLS**
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

**Ethanol (Ethyl Alcohol)**
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol
Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

*ANSOLS
Ansol M
Ansol PR

**ACETIC ESTERS**
Amyl Acetate
Butyl Acetate
Ethyl Acetate

**OXALIC ESTERS**
Butyl Oxalate
Ethyl Oxalate

**PHTHALIC ESTERS**
Amyl Phthalate
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**PROPIONIC ESTERS**
Amyl Propionate
Butyl Propionate

**OTHER ESTERS**
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

**INTERMEDIATES**
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

**ETHERS**
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

**OTHER PRODUCTS**
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Oil, capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway USP, cns.....lb. 9.00 Nom.
Cardamom, bots.....lb.21.00 -26.00
Cassia, USP, cs., dms.....lt. 2.35 - 2.55
Castor, blown, one-way dms., c.l..lb. .12¾- —
l.c.l. .....lb. .13½- —
cold pressed, USP, bbls., c.l. lb. .10¼- —
l.c.l. .....lb. .12 - —
cns. (1-gal.), l.c.l.....lb. .15 - —
dms. (returnable), c.l...lb. .11 - —
l.c.l. .....lb. .11¾- —
(5-gal.), l.c.l.....lb. .13 - —
tanks .....lb. .10¼- —
dehydrated, dms., c.l.....lb. .1520- —
l.c.l. .....lb. .1560- —
tanks .....lb. .14½- —
extracted No. 3, tech., bbls., c.l..lb. .11 - —
l.c.l. .....lb. .11¾- —
dms. (returnable), c.l....lb. .10¾- —
l.c.l. .....lb. .11¼- —
tanks .....lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11¼- —
80% (68% fat), dms., c.l..lb. .10½- —
l.c.l. .....lb. .11½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs.....lb. .85 - 1.35
dms. .....lb. .82 - 1.28
Cedarwood, Southern, cns...lb. .29 - .31
dms. .....lb. .27 - .29
Celery, bots.....lb.21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms. .....lb. .31 - .31¼
tanks .....lb. .29½ Nom.
Cinnamon, bark, bots.....lb. 7.25 -35.00
leaf, dms.....lb. .80 - .85
Citronella, Ceylon, cns.....lb. .52 - .54
dms. .....lb. .50 - .52
Java, cns., dms.....lb. .48 - .52
Clove, makers, USP, cns.....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07 Nom.
edible, 76°, dms., c.l.....lb. .13 Nom.
l.c.l. .....lb. .13½- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .74 - —
Codliver, med., USP, bbls...bbl.80.00 -85.00
Coriander, bots.....lb.14.50 -19.00
Corn, crude, tanks, works...lb. .10¼ Nom.
refd., bbls.....lb. .13½ Nom.
Cottonseed, cooking, bbls....lb. .12¾- —
salad, bbls.....lb. .13 - —
Creosote (see C).
Croton, N.F., cns.....lb. 2.35 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb. 5.00 -12.00
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 5.50 - 5.75
Dip (see L).
Erigeron, cns.....lb. 1.85 - 2.25
Eucalyptus, cns.....lb. .68 - .71
dms. .....lb. .65 - .68
Fennel, sweet, cns.....lb. 2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.14.00 -15.00
Bourbon, cns.....lb.13.75 -15.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.75 - 2.65
Grapseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.30 - 6.25
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Haarlem, imp., bots.....gross. No price
Halibut liver, ref., dms....gal.40.00 - —
Hemlock, cns.....lb. .95 - 1.25
Juniper, berry, cns.....lb.11.00 Nom.
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .60 - .65
Lard, common, 1, bbls.....lb. .11¼- —
2, bbls.....lb. .11¼- —
extra, bbls.....lb. .11¾- —
1, bbls.....lb. .11½- —
Winter, strained, bbls....lb. .12 - —
prime, burning, bbls.....lb. .12½- —
prime, lned., bbls.....lb. .12¼- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 5.00 - 6.00
Lavender flower, French, 50% ester, cns..lb. No prices
38-42% ester, cns.....lb.10.00 -12.00
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. No prices
garden, cns.....lb. .65 - .70
spike, Spanish, tech., cns..lb. 1.95 - 2.15
dms. .....lb. 1.90 - 2.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.75 Nom.
Lime, dist., cns.....lb. 5.75 - 6.00
expressed, cns.....lb. 8.75 - 9.25
Terpeneless .....lb.60.00 -65.00
Linaloe, wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .1070- .1090
l.c.l., 10 to 69.....lb. .1100- .1120
5 to 9.....lb. .1130- —
less than 5.....lb. .1150- —
tanks .....lb. .1000- .1020
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax California, neutrals, pale, 200-600 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .15½- .21
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .09½- .13½
200-280 vis., 3, 15-25 pour, tanks..gal. .09½- .11
Pennsylvania, bright stocks, 3 color, 140-150 vis., 10-25 pour, tanks..gal. .19 - .21½
cylinder oils, 600-630 flash, tanks..gal. .10½- .13
600 - 650 steam ref'd, tanks..gal. .10½- .15
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .26 - .29½
200 vis., 0-25 pour, tanks, gal. .28 - .31½
Mace, dist., cns., dms.....lb. 2.15 - 2.65
Mandarin, superior, coppers..lb. 9.00 -10.00
Oil, menhaden, crude, tanks, fut., Balto..gal. .32½ Nom.
ref'd alkali, dms.....lb. .1080- —
kettle-boiled, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .18½- —
extra, bbls.....lb. .11¾- —
1, bbls.....lb. .11½- —
prime, bbls.....lb. .12 - —
pure, bbls.....lb. .14¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.200.00 -325.00
Nutmeg, dist., cns., dms....lb. 2.15 - 2.65
Oiticica, liquid, dms.....lb. .20 - .20½
tanks .....lb. .19 - —
Oleo, 1, bbls.....lb. .11½- —
2, bbls.....lb. .11¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.50 Nom.
edible, Calif., dms.....gal. 4.40 - 4.50
imported, dms.....gal. 4.90 Nom.
foots, dms.....lb. .16 Nom.
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Oil, orange, sweet, dist., cs....lb. 1.15 - —
expressed, Calif., cns.....lb. 2.75 - —
Florida, cns.....lb. 1.50 - 1.60
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. No stocks
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .05⅝ Nom.
Sumatra, shipt., bulk.....lb. .05½ Nom.
Palmarosa, cns.....lb. 3.00 - 3.25
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .06¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 4.75 - 6.00
Peanut, crude, nom., tanks..lb. .10 Nom.
refd., edible, bbls.....lb. .13¼ Nom.
Pennyroyal, dom., cns.....lb. 2.95 - 3.00
import, cns.....lb. 2.25 - 2.75
Peppermint, natural, cns., dms., lb. 3.50 - 3.90
redist., USP, cns., dms....lb. 3.75 - 4.15
Perilla, dms.....lb. .18½- .19
tanks .....lb. .17½- —
Petitgrain, Paraguay, cns...lb. 1.40 - 1.55
dms. .....lb. 1.35 - 1.50
Pimento berry, cns.....lb. 4.35 - 8.50
leaf, cns.....lb. 2.10 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. jorts..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —

## Oil, Capsicum—Oil, Sardine

Oil, Pineneedle, Siberian, cns..lb. 1.25 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .23 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .12 - .12¼
tax not incl., tanks.....lb. .06⅝- —
blown, dms.....lb. .16½- .16¾
Red, dist., or saponif., dms., dlvd..lb. .11 - .12
tanks, dlvd.....lb. .10¼- —
Rose, synth., bots.....lb. 3.00 -64.00
natural, coppers.....oz.20.00 -24.00
Rosemary, Spanish, cns.....lb. .88 - .96
dms. .....lb. .85 - .90
Rosin, 1st rectified, dms...gal. .41 - —
2d rectfd., dms.....gal. .43 - —
3d rectfd., dms.....gal. .47 - —
Rue, bots.....lb. 7.00 - 7.50
Sage, cns.....lb. 7.50 Nom.
Sandalwood, E.I. USP, cns..lb. 4.70 - 5.25
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .55 Nom.
refd., alkali, dms.....lb. .1080- —
kettle-boiled, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —


# New Synthetic Gum Jellies with COLLORESIN

## A Water Soluble Methyl Cellulose

Dimethyl Ether of Cellulose, a white fibrous solid which dissolves in water.

Resistant to the action of alkalies and dilute acids giving a clear colorless solution.

Colloresin is of interest to the manufacturer of cosmetics and pharmaceuticals as a replacement for natural gums and in the manufacture of Liquid Dentifrices, Tooth Pastes, Creams, Soapless Shampoos, Hair Grooms, Wave Sets, Brushless Shaving Creams, etc.

Tentative formulas for the above are available as well as instructions as to methods of its employment.

Available in seven viscosities.

## GL 4C

### Non Toxic Emulsifying, Detergent, Foaming, Wetting Agent

A protein-amino acid condensate exceptionally fine for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

GL 4C may be readily used with Colloresin in the manufacture of these products.

Requests for samples on your firm's letterhead will be promptly answered.

**Protect your source of supply by using the above products manufactured in the U. S. A.**

Aromatics Division

**GENERAL DRUG COMPANY**

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TRANSPORTATION BLDG., LOS ANGELES
9 S. CLINTON ST., CHICAGO
1019 ELLIOTT ST., W., WINDSOR, ONT.

## Oil, Sassafras—Pet. Min. Spirits

Oil, sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .09¾ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 - 9.00
Soybean, dom., crude, dms...lb. .10¾- .11
tanks .....lb. .10 Nom.
refd., dms.....lb. .11 - —
tanks .....lb. .10¾- .11
Spearmint, dms.....lb. 2.60 - 2.80
Sperm, bleach, 38°, dms.....lb. .1170- —
45°, dms.....lb. .1100- —
natural, dms.....lb. .1050- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns....lb. 2.75 - 3.50
South, cns.....lb. 1.50 - 1.85
Tall crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¼
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .11¼- —
tanks .....lb. .10¾- —
Tansy, cns.....lb. 3.75 - 4.15
Oil, tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .18¾ Nom.
refined, dms.....lb. .22 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.55 - 2.50
white, cns.....lb. 1.65 - 2.75
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 6.75 - 7.25
Whale, ref., natural, dms...lb. .0950- —
winter, bleach, dms.....lb. .0990- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .30 - .37
65-75 vis., dms.....gal. .32 - .39
80-90 vis., dms.....gal. .33 - .40
95-105 vis., dms.....gal. .39½- .46½
125-135 vis., dms.....gal. .45 - .53
140-150 vis., dms.....gal. .47 - .55
175-185 vis., dms.....gal. .50½- .58½
200-210 vis., dms.....gal. .53½- .61½
320-330 vis., dms.....gal. .60 - .68
335-345 vis., dms.....gal. .61 - .69
Russian, 80-90 vis., dms....gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Oil, wintergreen, natural, North. cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.30 - 2.85
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb.14.00 -27.00
Manila, bots.....lb.35.00 -45.00
Olivine, aggregate, c.l., mines. ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines. ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07½- .08
Orris root, Florentine, bgs....lb. 1.50 Nom.
fingers, cs.....lb. 2.00 Nom.
powd., bbls., bxs.....lb. 1.65 Nom.
Verona, bls.....lb. 1.45 Nom.
powd., bgs., cns.....lb. 1.60 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.... lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls. lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

## P

Papain, powd.. cs.....lb. 1.65 - 1.75
Paprika, Algerian, bgs.....lb. .35 - .37
Bulgarian, bgs.....lb. .27½- .28
Portuguese, fancy, bgs.....lb. .35 - .37
good, bgs.....lb. .29 - .31
Spanish, extra fancy, cs....lb. .42 - .43
medium, cs.....lb. .40 - .41
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l..lb. .11 - .13
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .04¼ Nom.
bbls., c.l., N.Y.....lb. .04¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .04¼ Nom.
bbls., c.l., N.Y.....lb. .04¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .04¼ Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs. or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs. or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C...lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .22 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.S..gal. .11½- —
l.c.l., G.S.....gal. .16 - —
tanks, G.S.....gal. .07 - .08½
laboratory grade, dms., c.l., G.S, gal. .14 - —
l.c.l., G.S.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .68 Nom.
Lampong, bags.....lb. .0630- .0650
Tellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .11½- .12
Muntok, small berry, bags.lb. .10¾- .11¼
red, chillies, Japan, Hontaka..lb. .21 - .22
Mombassa, bgs.....lb. .26 - .26½
Sierre Leone, bgs.....lb. .24½- .25
Peppermint leaves, dom., bls..lb. .75 - .80
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., none 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b., stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .77 - .78
Petrolatum, amber, dms.....lb. .03½- —
l.c.l. .....lb. .04¼- —
amber, extra, dms.....lb. .04 - —
l.c.l. .....lb. .04½- —
white, cream, dms., c.l.....lb. .04½- —
l.c.l. .....lb. .06 - —
lily, dms., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- —
snow, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .43 - 1.71
Canada .....bbl. 1.08 - 1.70
Central West:—
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.22 - 1.30
Louisiana, Arkansas.....bbl. .58 - 1.28
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.55 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.55 - —
Eureka lines.....bbl. 2.14 - —
S. W. Penn lines.....bbl. 2.20 - —
Lower district in National Transit lines..bbl. 2.43 - 2.48
Rocky Mountains.....bbl. .35 - 1.15
South Central and Southwestern Texas..bbl. 1.05 - 1.39
Texas Panhandle, W. Texas and N. Mexico.....bbl. .79 - 1.11
Ether, normal, tanks, G.S...gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd.....gal. .38 - —
laboratory grade, dms., c.l., G.S..gal. .14¼- —
l.c.l., G.S.....gal. .25½- —
10-gal. lots, G.S.....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wolles, Seattle, Wash..gal. .12 - —
East Coast, tanks.....gal. .10 - —
Group 3, toluol type, tanks, gal. .07 - .08¼
Benzol type, tanks..gal. .08¼- .09¼
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 106-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks..gal. .10¾- —
246-397 b.r., tanks..gal. .10⅝- —
312-408 b.r., tanks..gal. .09 - —
362-458 b.r., tanks..gal. .09 - —
East Coast, 43-47, tanks.gal. .08¼- —
Group 3, tanks.....gal. .05¾- .06½
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .09½- —
New York (200 gal)...gal. .09 - —
Omaha .....gal. .13½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —


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PROBLEM: Company losing business because product became lumpy.
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PROBLEM: Moisture from air liquefied product which then caked.
(Bemis research provided proper protection and cut packing and shipping costs.)

PROBLEM: Product difficult to store due to moisture, bacteria and acid content.
(Overcome by Bemis research which also opened new market and lowered packaging costs.)

PROBLEM: Product lost weight in shipment.
(Better protection, resulting from Bemis research, prevented product from drying out and losing weight. Increased length of satisfactory storage.)

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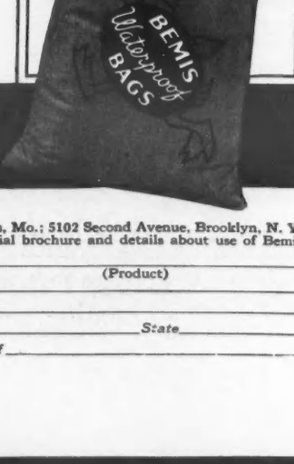


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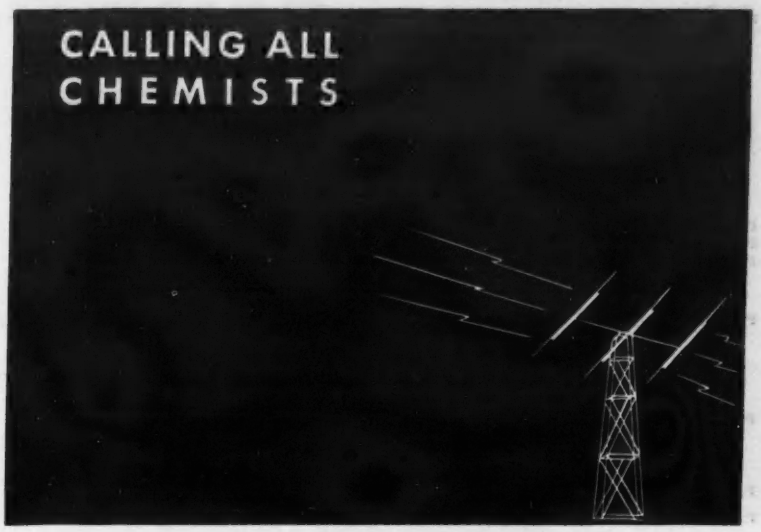
Petroleum, naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- .07¼
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
6, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
20, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Ft. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, divd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- .07¼
Gulf Coast (divd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- .08¼
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks.....gal. .08½- —
Group 3, tanks.....gal. .06½- .06⅝
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax. gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .12¾- —
under 1,000 lbs.....lb. .13¾- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.00 - 4.10
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs, works.....lb. 1.75 - —
Phlorogiucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, 72% min., bulk mines..long ton. 2.50 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .13
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vis..oz. 4.00 - 4.25
Nitrate, bots., vis.....oz. 3.90 - 4.15
Pimento, Jamaican, bgs.....lb. .27½- .28
Mexican (see Allspice, Mexican)
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time dms., c.l., divd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)

## Petroleum Naphtha—Pumice

Pitch, pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .40 - .41
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .30½- .31
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spot, c.l., works.lb. .08¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09½- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms. .....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms.. works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.29 -14.96
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Gualacosulphonate, fib. dms., 100-lb. lots..lb. 1.00 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20%, $K_2O$, bulk, ex vessel, Atlantic or Gulf ports.. ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports..unit-ton. .60 - —
f.o.b. Carlsbad, N.M..unit-ton. .20 - .04880
import, 30%, $K_2O$, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min. 50% $K_2O$, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% $K_2O$, same basis, unit-ton. .53½- —
import, min., 50% or 60% $K_2O$, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of $K_2O$ less than the ex-vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
USP, dms.....lb. .20 - .20½
Prussiate, red., bbls.....lb. No prices
Yellow, bbls.....lb. .16 - .18
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs.lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech. ,dom., bulk, basis 90%, $K_2SO_4$, ex-vessel, ports, ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, $K_2SO_4$, ex-vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No. prices


# Do You Require A Chemical to Replace One Now Hard to Procure?

Procurement problems face us all. Most of us are learning how to make something available do the job of something else we have been using. In many cases, producers have found substitutes that actually are improvements — bettering product, process, or both.

# HOOKER

is always ready to help solve problems concerning the choice and use of chemicals. Why not see if HOOKER can help you in this emergency?

HOOKER regularly produces more than sixty chemical products, can produce many others to meet customers' requirements.

Industries now served by HOOKER CHEMICALS:

Abrasive
Anaesthetic
Anti-Freeze
Battery
Ceramic
Chemical
Coal Tar
Container
Dairy
D/e
Electrical
Ferro Alloy
Flour
Food
Fungicide
Insecticide
Laundry
Lead Refining
Leather
Lubricant
Metal (Non Ferrous)
Metal Cleaning
Metal Polish
Metallurgical
Paint
Perfume
Petroleum
Pharmaceutical
Photo Engraving
Plastic
Pulp and Paper
Rayon
Rubber
Shellac
Soap
Soft Drink
Steel
Textile
Tobacco
Tooth Paste
Vegetable Oil
Water Purification
Wire

and many others

HOOKER ELECTROCHEMICAL COMPANY
NIAGARA FALLS, NEW YORK
NEW YORK CITY TACOMA, WASHINGTON

426

## Pumice—Soda Caustic

Pumice stone, Italian, Amer.-grd., F and I, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O—½, G—¾, and ⅞, bbls., 3 or over, works...lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-20 tons, ex whse.. ton.. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.75 - 4.95
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 2% pyrethrins, frt. alld., bbls..lb. .28 - .35
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.00 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs.,works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

## Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 25% tan, bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
solid, 62%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
powd., bgs., c.l.....lb. .06½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask.182.00 -183.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.232.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.02 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .99 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrobromide, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .82 - —
Tartrate, cns.....oz. 1.05 - —
Valerate, cns.....oz. .99 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

## R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06½- .06½
medium, recleaned, bags..lb. .07¼- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Red, cadmium, lithopone, deep shade, kgs., ton lots, same basis..lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works.lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .06¾- —
80-85%, bbls., same basis...lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .22
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 2.79 - —
smaller lots.....lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80%, copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .90 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .65 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .33½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.19 - —
D, bbls.....100 lbs. 2.41 - —
E, bbls.....100 lbs. 2.45 - —
F, bbls.....100 lbs. 2.46 - —
G, bbls.....100 lbs. 2.45 - —
H, bbls.....100 lbs. 2.45 - —
I, bbls.....100 lbs. 2.45 - —
K, bbls.....100 lbs. 2.47 - —
M, bbls.....100 lbs. 2.49 - —
N, bbls.....100 lbs. 2.61 - —
W. G., bbls.....100 lbs. 2.79 - —
W. W., bbls.....100 lbs. 3.05 - —
X., bbls.....100 lbs. 3.10 - —
wood, F.F., bbls.....100 lbs. 1.70 - 2.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

## S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb. 32.00 -33.00
Safrol, cns.....lb. 1.02 - —
dms.....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, believed afloat, bls....lb. .50 - .52
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .04¾- .05
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y..ton.13.70 - —
l.c.l., bgs., dlvd. N. Y..ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.16.50 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons..... 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons..... 100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .21 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .15 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods, bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y..lb. .31 - —
Shellac, bleached, bonedry, bbls. dlvd., Boston.....lb. .31 - —
Chicago.....lb. .31¼- —
Pacific Coast.....lb. .33½- —
rfd., bbls., f.o.b. N.Y.....lb. .37 - —
dlvd., Boston.....lb. .37¼- —
Chicago.....lb. .37¾- —
Pacific Coast.....lb. .40 - —
Garnet, bgs.....lb. .25 - .26
D.C., V.S.O., or Diamond I, cs., cs..lb. .34 - .35
Superfine, bgs., f.o.b. Boston, N. Y..lb. .23 - .28
dlvd., Chicago.....lb. .25½- .26¼
Pacific Coast.....lb. .28 - .29
T. N., bgs., f.o.b. Boston, N. Y..lb. .24½- .25½
dlvd., Chicago.....lb. .25 - .26
Pacific Coast.....lb. .28 - .29
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
white, 5-lb. cut, bbls.....gal. 1.35 - 1.40
4½-lb. cut, bbls.....gal. 1.30 - 1.35
4-lb. cut, bbls.....gal. 1.25 - 1.30
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works..ton.25.00 - —
400 mesh, bgs., c.l., works, ton.20.00 - —
l.c.l., 2½ tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quarts, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, vis.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .06 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - .04¼
l.c.l., dlvd..lb. .04¾- .05
USP, bbls., dlvd.....lb. .06 - —
90%, dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 1.18 - —
2.....100 lbs. 1.28 - —
3.....100 lbs. 1.53 - —
4.....100 lbs. 1.93 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 1.35 - —
2.....100 lbs. 1.50 - —
3.....100 lbs. 1.75 - —
4.....100 lbs. 1.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,600 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....lb. 2.60 - —
powd., bbls., c.l., works... lb. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks..lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —

# of Science and Research

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Iodoform
Menthol-Y
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*(Cryst.-Gran.-Powd.)*
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and other Quinine Salts
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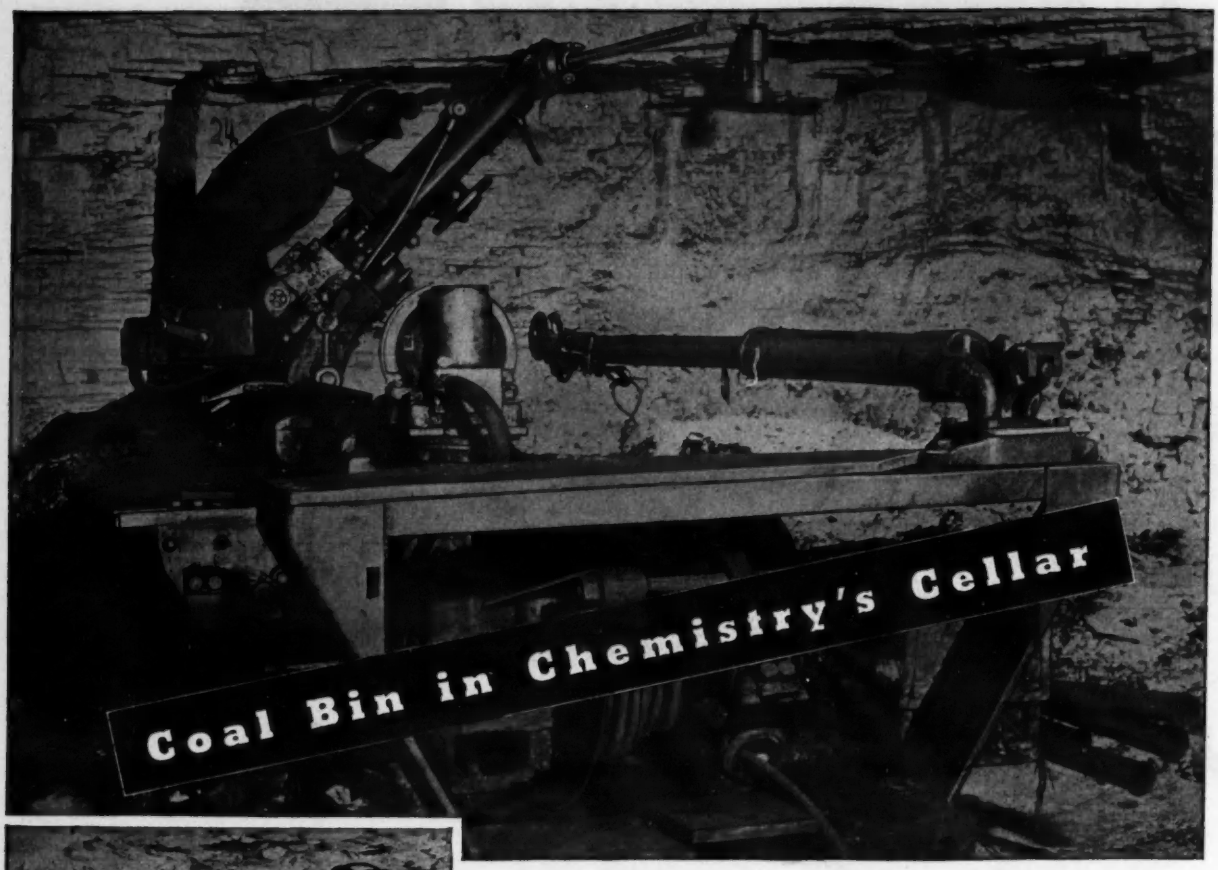
THE NEW YORK QUININE & CHEMICAL WORKS INC.
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO

## Soda, Caustic—Solvent Naphtha

Soda, caustic, solid, 76% ammon., process, dms., c.l., wks. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

**Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.**

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .06¼- —
l.c.l., 8 cks., 10 bbls. or over, works..lb. .03¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Soda, cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 35-35% acidity, bbls., divd..lb. .09 - —
anhy., dms., divd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis.lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
Soda, hyposulphite, pea, 5,000 lbs. and over, bgs., works, 100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equalld.. 100 lbs. 3.75 - —
15 dms. and over, divd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.80 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.85 - —
10 bbls. and over, divd., N.Y..lb. 3.10 - —
1-9 bbls., divd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.80 - —
Soda, naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., divd., f.o.b. cars producing points or ports, rail or boat shipment.ton.20.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10-ton, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
**Soda nitrite l.c.l. prices range represents delivery at various points.**
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs, c.l., works...100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11½- .13
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .. .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., divd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., divd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
**Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.**
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, divd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .10 - .12
Stannate, dms.....• .....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
N.V. VI, exsiccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, divd., 100 lbs. 2.75 - —
less than 5 tons, divd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.. 100 lbs. 3.00 - —
l.c.l., 5 tons or over, divd., 100 lbs. 3.50 - —
less than 5 tons, divd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .30
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —

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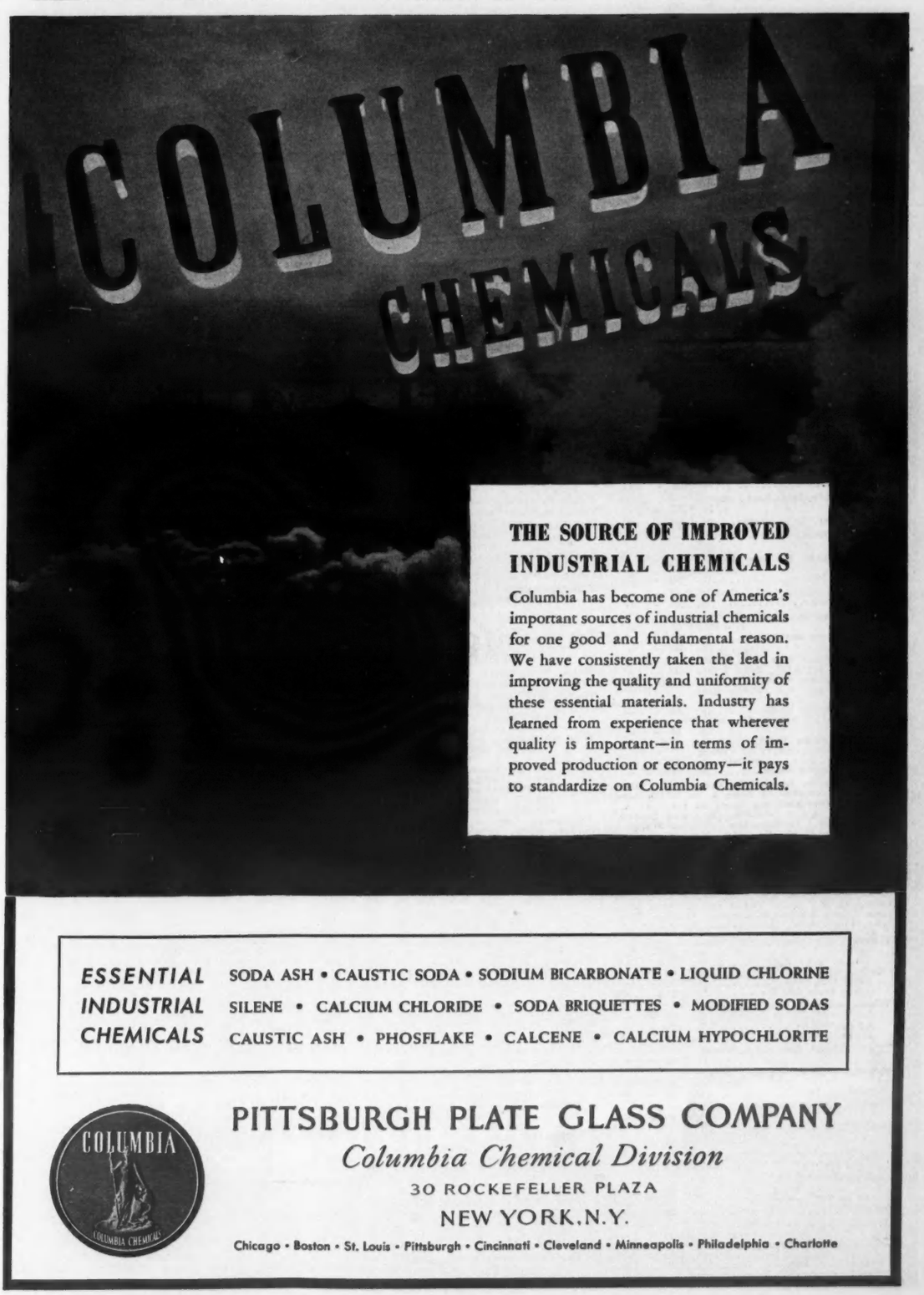
*DISTRIBUTORS IN ALL PRINCIPAL CITIES* • *Manufacturers of:* Soda Ash • Caustic Soda • Dry Ice Bicarbonate of Soda • Calcium Chloride • Liquid Chlorine • Calcium Carbonate • Coke • Cement

Serbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works....lb. .15¾- —
Soybean meal, 41-44%, bgs...ton.33.70 - —
protein, bgs., c.l., works....lb. .11¼- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 4.00 - 4.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. .45 - .65
powd., bbls., bxs.....lb. .55 - .75
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.80 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .05 - —
l.c.l. .....lb. .06 - —
import, bgs.....lb. No prices
Rice, bbls.....lb. .07¼- .08¼
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09¾- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .78 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .18 - —
l.c.l., 10 or over.....lb. .19 - —
less than 10.....lb. .20 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..bot. 1.04 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.85 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works.lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

# T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .06 - —
special, loose.....lb. .07¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.75 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 3.15 & .10
high-grade, bulk, Chicago, unit-ton. 3.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 Nom.
Tansy leaves, bls.....lb. .22 - .28
Tapico flour, bgs.....lb. .04½- .06
Tar acid oil, 15%, dms., c.r. works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works.....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terebene, cns.....lb. .90 - .92
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 3.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .62 - .64
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).

## Sorbitol—Thymol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*Columbia Chemical Division*
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NEW YORK, N.Y.
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### Tin Chloride—Zinc Oxide

Tin, chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal, Straits.....lb. .52¼- —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. .27¾- .28¼
Titanium, dioxide, bgs., c.l. (20 tons)..lb. .18½- —
l.c.l., 5 tons, single delivery. lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14½- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery. lb. .14 - —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l. (20 tons). lb. .15½- —
l.c.l., 5 tons, single delivery. lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
bbls., c.l. (20 tons).....lb. .15¾- —
l.c.l., 5 tons, single delivery. lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16¼- —
chalk-resistant, bgs., c.l. (20 tons).. .14 - —
l.c.l., 5 tons, single delivery. lb. .14¼- —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c. l. (20 tons).....lb. .14¼- —
l.c.l., 5 tons, single delivery. lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l.....lb. .05¾- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l.....lb. .06 - —
calcium base, bgs., c.l. (20 tons). lb. .05¼- —
l.c.l.....lb. .05½- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l.....lb. .05¾- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l.....lb. .05½- —
under 50 pounds.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
l.c.l.....lb. .05¾- —

**Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.**

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28¼- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd.lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks.....lb. .06¼- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

**All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, (Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.**

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .35 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08½ Nom.
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .51 - —
l.c.l., 10 ex dock.....gal. .53 - —
5 ex dock.....gal. .55 - —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l.....gal. .36 - —
tanks, dlvd. E. cities....gal. .36 - —
steam-dist., dms., c.l., dlvd.gal. .42 - —
l.c.l., dlvd.....gal. .45 - —
tanks, dlvd.....gal. .37 - —

## U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
l.c.l., 5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del.....ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .16 Nom.

## V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .42 - .43
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

## W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.39.50 -41.50
Extract, solid, bgs.....lb .04¼- .04¼
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾- —
Wax, amorphous, group 3, at refineries; 160-165, amber. lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .30 - .31
1 ton.....lb. .30½- .31½
500 lbs.....lb. .31 - .32
100 lbs.....lb. .31½- .32½
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .22 - .22½
jobbing, lots.....lb. .22½- .23
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .61 - .62
5 bgs.....lb. .61½- .62½
1 bg.....lb. .62 - .63
N. C., 2, bgs., 1 ton.....lb. .67 - .68
N. C., 3, bgs., 1 ton.....lb. .63 - .64
5 bgs.....lb. .63½- .64½
1 bg.....lb. .64 - .65
refined, bgs.....lb. .68 - .69
yellow, No. 1, bgs., ton...lb. .72 - .73
5 bgs.....lb. .72½- .73½
1 bg.....lb. .73 - .74
No. 2, bgs.....lb. .71 - .72
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15¾
Japan, cs.....lb. .18 - .18½
Montan, bgs., c.l.....lb No prices
5 tons.....lb No prices
less than 1 ton.....lb No prices
Ouricury, crude, bgs.....lb. .46 Nom.
refined, bgs.....lb. .55 - .56
single refined, bgs.....lb. .48 - .49
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Wax, ozokerite, snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .75 - .80

## X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

## Y

Yara yara, cryst., cns.....lb. 1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .30 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton. works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis. lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —

**Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¾c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.**

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.57 - —
smaller lots.....lb. 2.59 - —
Yellow, ocher, Amer., golden A, bbls.. works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03¾- —
yellow A, bbls., works...lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks, c.l., ex dock, Balto., Boston, N. Orleans for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03½ Nom.
Portland, Seattle....lb. .03⅝ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04¼- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specifications type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 3.50

## Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .95 - —
Zinc acetate, tech., bbls., dlvd..lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0223- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. Cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst., lb. .06½- —

Zinc, oxide, French process, green seal, bbls, c.l., dlvd.....lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
red seal, bgs., c.l., dlvd..lb. .07¾- —
lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd.lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse., lb. No Prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l.... 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l. .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .03¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .03½- —
calcium pigment, bgs., c.l., dlvd..lb. .03¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .03½- —
magnesium pigment, bgs., c.l., dlvd..lb. .03½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .03¾- —
Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .03¼- —
l.c.l., dlvd., except Pac. cst..lb. .03¾- —
ex whse., Pac. cst..lb. .03¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, E., bbls., works..ton.75.00 -100.00
white, 99%, grd., kgs., works, lb. 1.80 - 2.00

# Synthetic Resin and other Branded Paint Materials

## (Manufacturers' List Prices)

### A

Abalyn (methyl abietate), c.l., dms., f.o.b. cars, destination, zone 1..lb. .07½- —
l.c.l., lots of 10 dms., same basis..lb. .08¾- —
single dms., same basis....lb. .09¾- —
smaller lots, f.o.b. Hercules, Del..lb. .14¾- —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

### B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .29 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
carbic anhydride base, oil modified, BR, 13630, 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
14590, 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR, 13202, 30,000 lbs., works.....lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 3962 dms., 30,000 lbs., works.....lb. .2490- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
6791, dms., 30,000 lbs., works, lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
14604, dms., 30,000 lbs., works, lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .29 - —

Bakelite, lacquer, BR, 2842, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3130, dms., 30,000 lbs., lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 10095, BR, 254, bbls, 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4090, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
6982, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works.....lb. .40½- —
5,000 lbs., works.....lb. .41 - —
8900, bbls., 30,000 lbs., works..lb. .39 - —
15,000 lbs., works.....lb. .39½- —
5,000 lbs., works.....lb. .40 - —
9482, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —

Bakelite, phenolic, BR, 9434, bbls., 30,000 lbs., works..lb. .20 - —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .21 - —
16262, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
18468, bbls., 30,000 lbs., works..lb. .19¾- —
15,000 lbs., works.....lb. .20¼- —
5,000 lbs., works.....lb. .20¾- —
14634, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .31 - —
XR, 9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
modified oil, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2920- —
5,000 lbs., works.....lb. .2970- —
2175, bbls., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2860- —
5,000 lbs., works.....lb. .2910- —
resin, BR, 2072, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .24 - —
2962, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
9366, bbls., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works...lb. .19 - —
5,000 lbs., works...lb. .19¼- —

## Zinc Oxide—Beckacite

Bakelite, modified resin, BR, 11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18¼- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2320- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2630- —
13574, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .13½- —
1105, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9 frt. pd.....lb. .11½- —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd.....lb. .12 - —
P-147, dms., 1-9, frt. pd.....lb. .12½- —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
1123, dms., 1-9, frt. pd.....lb. .14½- —
1124, dms., 1-9 frt. pd.....lb. .15¼- —


This timely full page, *full color* ad promoting the sale of paint will appear in the May 31st issue of the Saturday Evening Post, out May 28th. It is the second in a new series of Continental Can Company advertisements to boost products that come in cans—and help our customers increase their business. Free reprints and a folder "A new way to sell more paint" are available on request.

THE SATURDAY EVENING POST
THIS YEAR—MAKE IT A REAL DECORATION DAY!
Paint up with America's favorite colors...
RED, WHITE and BLUE!
Is there a paint brush in the house? Now's the time to use one! How about that set of porch furniture? Or those deck-chairs? Or that new unpainted furniture they sell for your lawn these days?
And here's a tip. When you're picking colors, how about picking America colors this year? Red, white and blue are not only your colors—they're the favorite colors of decorators, too.
Paint does more than decorate. It protects. So do varnish, shellac, enamel and lacquer. They all help to keep your furniture in tip-top condition, looking its best. And —as your painter will show you—that goes for your house, too.
So this year, paint up—and be doubly proud!
"PAINT-UP" POINTERS... Use the right paint for the job (ask your dealer). And follow directions on the can... Clean surface before painting. And be sure one coat is dry before applying next ...Stir paint thoroughly before using, often during use... Don't stand brush on its bristles, or leave it in can after painting.
PAINT—one of the many good things that come in CANS*
You'd be a Fortune-Teller if you could say what would be packaged next in cans. People expect paint to come in cans. But turpentine in cans? That's a new idea in recent years. Linseed oil in cans? That's a recent idea, too. Cans are now the convenient, modern "package" for both—and most of these cans are made by Continental. If you know a businessman who's after the right package for his product, tell him to give us a ring. We'll pitch in and help. Continental Can Company, 100 E. 42nd Street, N.Y.C. Fifty offices and plants in the U.S.A., Cuba and Canada.
*What next in cans?
CONTINENTAL CAN COMPANY
IF YOU PUT A PRODUCT UP . . . PUT IT UP TO CONTINENTAL

## Beckacite—Pentalyn

Beckacite, nonphenolic, 1110, dms., 1-9, frt. pd..lb. .14 - —
1111, dms., 1-9, frt. pd.....lb. .14 - —
1114, dms., 1-9, frt. pd.....lb. .14 - —
1120, dms., 1-9, frt. pd.....lb. .14 - —

Beckacite prices in lots of 10 dms., or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 8440, ex. lt., dms., 1-9, frt. pd..lb. .28½- —
P-2, dms., 1-9, frt. pd.....lb. .14 - —
P-138, dms., 1-9, frt. pd.....lb. .22½- —
P-196, dms., 1-9, frt. pd.....lb. .25 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .18½- —
No. 27, light, dms., 1-9, frt. pd., lb. .19½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .14 - —
1501, dms., 1-9, frt. pd.....lb. .15 - —
Solid, 1, dms., 1-9, frt. pd...lb. .28 - —
3, dms., 1-9, frt. pd.....lb. .25 - —
7, dms., 1-9, frt. pd.....lb. .25 - —
13, dms., 1-9, frt. pd.....lb. .25 - —
18, dms., 1-9, frt. pd.....lb. .24 - —
19, dms., 1-9, frt. pd.....lb. .28 - —
23, dms., 1-9, frt. pd.....lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .25 - —
32, dms., 1-9, frt. pd.....lb. .25 - —
34, dms., 1-9, frt. pd.....lb. .26 - —
40, dms., 1-9, frt. pd.....lb. .21½- —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .11½- —
1941, dms., 1-9, frt. pd..lb. .11½- —
phenol modified, 1308, dms., 1-9, frt. pd..lb. .14½- —
1304, dms., 1-9, frt. pd..lb. .14½- —
1320, dms., 1-9, frt. pd..lb. .15 - —
1325, dms., 1-9, frt. pd..lb. .14½- —
1328, dms., 1-9, frt. pd..lb. .13½- —
1329, dms., 1-9, frt. pd..lb. .13 - —
wrintex, dms., 1-9, frt. pd. lb. .16 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .15½- —
2, dms., 1-9, frt. pd.....lb. .15½- —
1316, dms., 1-9, frt. pd..lb. .16½- —
1326, dms., 1-9, frt. pd..lb. .16½- —
P-239, dms., 1-9, frt. pd..lb. .13½- —
pure, alkyd., 1306, dms., 1-9, frt. pd..lb. .15 - —
1307, ex. lt., dms., 1-9, frt. pd..lb. .15½- —
light, dms., 1-9, frt. pd.lb. .15½- —
1308, dms., 1-9, frt. pd...lb. .15½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .14½- —
1318, dms., 1-9, frt. pd...lb. .18½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .15½- —
light, dms., 1-9, frt. pd.lb. .15½- —
1324, dms., 1-9, frt. pd...lb. .25½- —
1331, dms., 1-9, frt. pd...lb. .13½- —
1332, dms., 1-9, frt. pd...lb. .13½- —
1333, dms., 1-9, frt. pd...lb. .15½- —
1334, dms., 1-9, frt. pd...lb. .14½- —
P-7, dms., 1-9, frt. pd...lb. .15½- —
P-48, dms., 1-9, frt. pd...lb. .13½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —
P-238, dms., 1-9, frt. pd..lb. .18½- —
P-270, dms., 1-9, frt. pd..lb. .15½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less, prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

### C

Copene resin, dms., works.....lb. .20 - —
Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
MH col. 1, dms, works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½-3½, dms., works.....lb. .09 - —
9, dms, works.....lb. .06 - —
M.S., dms., works.....lb. .10 - —
P 10°-90° C., col. 2½ and darker, dms., works..lb. .10 - —
RH, dms., works.....lb. .10 - —
R.S., dms., works.....lb. .10 - —
Special soft, dms., works....lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ½, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ¼c. per pound lower.

### D

Durite, 1,301, pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

### E

Esterol, alkyd solution, A, c.l., dlvd..lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
B, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
E, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
H-1, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
PV, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .14¾- —
9 dms. or less, dlvd....lb. .15¼- —
11, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
22, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
22-B, c.l., dlvd.....lb. .09 - —
10 dms. or more, dlvd....lb. .09½- —
9 dms. or less, dlvd....lb. .10 - —
33, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
44, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
44-B, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
55, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
562, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
640-N, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
660-N, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
750, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .14¾- —
9 dms. or less, dlvd....lb. .15¼- —
830, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .15 - —
9 dms. or less, dlvd....lb. .15½- —
1800, c.l., dlvd.....lb. .12¼- —
10 dms. or more, dlvd....lb. .12⅝- —
9 dms. or less, dlvd....lb. .13¼- —
1825, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
2185, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
2600, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2633, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2728, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
2775-BS, c.l., dlvd.....lb. .11½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd....lb. .12½- —

### F

Flexalyn solution, dms., c.l., f.o.b. cars, destination, zone 1.lb. .12½- —
l.c.l., 10 dms., same basis..lb. .13¼- —
single dms., same basis..lb. .14¾- —
smaller lots, f.o.b. Hercules, Del..lb. .19¾- —

### G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11½- —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

### H

Hercolyn (hydrogenated methyl abietate), dms., c.l., f.o.b. cars, destination, zone 1.lb. .11½- —
l.c.l., lots of 10, same basis, lb. .12¾- —
single dms., same basis...lb. .13¾- —
smaller lots, f.o.b. Hercules, Del..lb. .18¾- —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .12 - —
l.c.l., 10 dms., frt. pd.....lb. .12½- —
1-9 dms., frt. pd.....lb. .13 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

### J

Jozite (see zinc-iron oxide pigment in regular price list above).

### K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse.....lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd. E. of Rockies, lb. .08¼- —
Pac. coast, ex whse....lb. .08¼- —
Katalised oil, 666, dms., c.l., frt. pd..lb. .26½- —
l.c.l., frt. pd.....lb. .26 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt .pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

Krumbhaar, maleic, 404, dms., single shpt., 10,000 lbs. lb. .14 - —
2,500 to 9,999 lbs.....lb. .14½- —
1 to 2,499 lbs.....lb. .15 - —
414, dms., single shpt., 10,000 lbs..lb. .14 - —
2,500 to 9,999 lbs.....lb. .14½- —
1 to 2,499 lbs.....lb. .15 - —
phenolic, modified, 202, dms., c.l..lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9 dms.....lb. .15½- —
505, dms., c.l.....lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9, dms.....lb. .15½- —
606, dms., c.l.....lb. .16 - —
l.c.l., 10-40 dms.....lb. .16½- —
1-9 dms.....lb. .17 - —
707, dms., c.l.....lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9 dms.....lb. .15½- —

### L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2L, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 3, c.l., dlvd.....lb. .16¼- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 24, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 28, c.l., dlvd.....lb. .13 - —
l.c.l., dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
No. 33, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

### N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd..lb. .13½- —
19 T.G., dms., c.l, dlvd....lb. .19½- —
19 T.G. boiled, dms., c.l., dlvd..lb. .20¾- —
fatty acids, 3R, dms., c.l., dlvd. lb. .12 - —
17, dms., c.l., dlvd.....lb. .12 - —
19, dms., c.l., dlvd.....lb. .17½- —
23, dms., c.l., dlvd.....lb. .16½- —

Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Neviliac, pale, hard, dms., works, lb. .13 - —
hard, 85-95° C, dms., works..lb. .11 - —
soft, 65-75°C. dms., works..lb. .11 - —

Neviliac prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 5c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .06 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium, soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10 - —
Neville resin, 465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh..lb. .06 - —

Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Less then full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
No. 123, water-white, 100-lb. dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms. works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Notol, tanks, f.o.b. Pittsburgh, gal. .23½- —
dms., returnable .....gal. .29 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .026½- —
2, 100-125°C., dms., gross weight, works..lb. .026½- —
2x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 5c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .28½- —
11½%, 100-lb. pkgs.....lb. .52 - —
cobalt acetate, 100-lb. pkgs., lb. .80½- —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs.....lb. .12½- .13½
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¾- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .28½- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs..lb. .13 - .14
10½%, 100-lb. pkgs.....lb. .21¾- —
Zinc, 8%, 400-lb. pkgs.....lb. .14 - —
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —
Nuodite, cobalt, 18%, 100-lb. pkgs., lb. .71½- —
lead, 64%, 100-lb. pkgs.....lb. .23 - —
manganese, 24%, 100-lb. pkgs., lb. .30 - —

All prices are f.o.b. customers' plants, East of Denver.

Nypene resin, dms., c.l., works, lb. .16 - —
l.c.l. .....lb. .16½- —

### P

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —
3, 125-140°C., dms., gross wt., works..lb. .05 - —

Paradene prices on contract, terminating Dec., 1941, are ½c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25 - —
10 pkgs. or more, dlvd....lb. .26 - —
9 pkgs. or less, dlvd.....lb. .27 - —
C, c.l., dlvd.....lb. .29½- —
10 pkgs or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-P, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21¼- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less. dlvd.....lb. .34 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12¾- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 3, c.l., dlvd.....lb. .11¾- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12¼- —
25, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less; dlvd.....lb. .12½- —
25, light, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
54-E, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
100, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
10 pkgs., or more, dlvd....lb. .12 - —
105-B, extra light, c.l., dlvd.lb. .11½- —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
800, dark, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
850, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1700, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1750, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less. dlvd.....lb. .14½- —
1855, c.l., dlvd.....lb. .12 - —
10 pkgs or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
3046-C, c.l., dlvd.....lb. .22 - —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs, or less, dlvd.....lb. .23 - —
3101, c.l., dlvd.....lb. .14¾- —
10 pkgs., or more, dlvd....lb. .15¼- —
9 pkgs. or less, dlvd.....lb. .15¾- —
3645, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less. dlvd.....lb. .15 - —
Pentalyn, dms., c.l., f.o.b. cars, destination, Zone 1...lb. .11½- —
l.c.l., 10 dms., same basis...lb. .12 - —
single dms., same basis..lb. .12¾- —
smaller lots, f.o.b. Hercules, Del..lb. .17¾- —

| | | | |
|---|---|---|---|
| Pentalyn G, dms., c.l., f.o.b. cars, destination, Zone 1 | lb. | .13 - | — |
| l.c.l., 10 dms., same basis, | lb. | .13½- | — |
| single dms., same basis | lb. | .14½- | — |
| smaller lots, f.o.b. Hercules, Del. | lb. | .19¼- | — |
| Phenester, color 3½-5, dms., works, | lb. | .17 - | — |
| P.H.O., dms., works | lb. | .19 - | — |
| Pliolite, powder, ton lots, works, | lb. | .66 - | — |
| smaller lots, works | lb. | .69 - | .74 |
| Pliolite resin, clear, ton lots, works | lb. | .75 - | — |
| smaller lots, works | lb. | .79 - | .84 |
| No. 20, ton lots, works | lb. | .75 - | — |
| smaller lots works | lb. | .79 - | .84 |
| No. 40, ton lots, work | lb. | .75 - | — |
| smaller lots, works | lb. | .79 - | .84 |

R

| | | | |
|---|---|---|---|
| Resinous oil, No. XI, dms., works, | lb. | .019 - | — |

S

| | | | |
|---|---|---|---|
| Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex. | lb. | .66 - | — |
| l.c.l., dms. (500 lbs.), same basis | lb. | .66½- | — |
| smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del. | lb. | .20 - | — |
| Styrene resin, XRS-1, 30,000 lbs., works | lb. | .50 - | — |
| 15,000 lbs., works | lb. | .50½- | — |
| 5,000 lbs., works | lb. | .51 - | — |
| XRS-2, 30,000 lbs., works | lb. | .55 - | — |
| 15,000 lbs., works | lb. | .55½- | — |
| 5,000 lbs., works | lb. | .56 - | — |
| Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd. | lb. | .31 - | — |
| 1003, dms., 1-9, frt. pd. | lb. | .31 - | — |
| 2000, dms., 1-9, frt. pd. | lb. | .26 - | — |
| 2007, dms., 1-9, frt. pd. | lb. | .21 - | — |
| 3000, dms., 1-9, frt. pd. | lb. | .43¼- | — |
| 3005, dms., 1-9, frt. pd. | lb. | .43½- | — |

**Super-beckacite prices in lots of 10 dms. or more are ¼c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005, where 10 dms. are 1¼c. less and carloads 3c.; prices subject to same geographical differentials as beckacite.**

| | | | |
|---|---|---|---|
| Super-beckamine, 3500, dms., 10,000 lbs. or more frt. pd. | lb. | .29 - | — |
| 3501, dms., 1-9, frt. pd. | lb. | .25½- | — |
| Surfex, bgs., c.l., f.o.b. Paines-ville, Ohio | ton | 27.50 - | — |
| BB, bgs., c.l., same basis | ton | 32.00 - | — |
| MM, bgs., c.l., same basis | ton | 30.00 - | — |
| Syntex, standard alkyd resins, No. 9, c.l. | 100 lbs. | 15.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 15.50 - | — |
| 1-9 dms. | 100 lbs. | 16.00 - | — |
| 17, c.l. | 100 lbs. | 13.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 13.50 - | — |
| 1-9 dms. | 100 lbs. | 14.00 - | — |
| 18, c.l. | 100 lbs. | 14.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 14.50 - | — |
| 1-9 dms. | 100 lbs. | 15.00 - | — |
| 19-A, c.l. | 100 lbs. | 14.25 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 14.75 - | — |
| 1-9 dms. | 100 lbs. | 15.25 - | — |
| 20-A, c.l. | 100 lbs. | 15.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 16.00 - | — |
| 1-9 dms. | 100 lbs. | 16.50 - | — |
| 21-B, c.l. | 100 lbs. | 13.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 13.50 - | — |
| 1-9 dms. | 100 lbs. | 14.00 - | — |
| 22, c.l. | 100 lbs. | 14.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 15.00 - | — |
| 1-9 dms. | 100 lbs. | 15.50 - | — |
| 23, c.l. | 100 lbs. | 13.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 13.50 - | — |
| 1-9 dms. | 100 lbs. | 14.00 - | — |
| 28, c.l. | 100 lbs. | 16.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 17.00 - | — |
| 1-9 dms. | 100 lbs. | 17.50 - | — |
| 32, c.l. | 100 lbs. | 12.25 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 12.75 - | — |
| 1-9 dms. | 100 lbs. | 13.25 - | — |
| 36, c.l. | 100 lbs. | 16.75 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 17.25 - | — |
| 1-9 dms. | 100 lbs. | 17.75 - | — |
| 40, c.l. | 100 lbs. | 15.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 16.00 - | — |
| 1-9 dms. | 100 lbs. | 16.50 - | — |
| 119, c.l. | 100 lbs. | 18.75 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 19.25 - | — |
| 1-9 dms. | 100 lbs. | 19.75 - | — |
| H-3, 10,000 lbs. and up. | 100 lbs. | 13.00 - | — |
| 2,500-9,999 lbs. | 100 lbs. | 13.50 - | — |
| under 2,500 lbs. | 100 lbs. | 14.00 - | — |
| H-3, pale, 10,000 lbs. and over. | 100 lbs. | 13.00 - | — |
| 2,500-9,999 lbs. | 100 lbs. | 13.50 - | — |
| under 2,500 lbs. | 100 lbs. | 14.00 - | — |
| H-10, c.l. | 100 lbs. | 15.75 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 16.25 - | — |
| 1-9 dms. | 100 lbs. | 16.75 - | — |
| H-12, c.l. | 100 lbs. | 16.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 17.00 - | — |
| 1-9 dms. | 100 lbs. | 17.50 - | — |
| H-15, c.l. | 100 lbs. | 11.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 11.50 - | — |
| 1-9 dms. | 100 lbs. | 12.00 - | — |
| H-46, c.l. | 100 lbs. | 12.25 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 12.75 - | — |
| 1-9 dms. | 100 lbs. | 13.25 - | — |
| Tentative alkyd resins, 14, c.l., | 100 lbs. | 14.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 15.00 - | — |
| 1-9 dms. | 100 lbs. | 15.50 - | — |
| 16, c.l. | 100 lbs. | 17.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 17.50 - | — |
| 1-9 dms. | 100 lbs. | 18.00 - | — |
| 23, c.l. | 100 lbs. | 19.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 19.50 - | — |
| 1-9 dms. | 100 lbs. | 20.00 - | — |
| 32-A, c.l. | 100 lbs. | 12.75 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 13.25 - | — |
| 1-9 dms. | 100 lbs. | 13.75 - | — |
| 42, c.l. | 100 lbs. | 14.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 14.50 - | — |
| 1-9 dms. | 100 lbs. | 15.00 - | — |
| 121, c.l. | 100 lbs. | 14.50 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 15.00 - | — |
| 1-9 dms. | 100 lbs. | 16.50 - | — |
| 217, c.l. | 100 lbs. | 13.25 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 13.75 - | — |
| 1-9 dms. | 100 lbs. | 14.25 - | — |
| H-5, c.l. | 100 lbs. | 14.00 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 14.50 - | — |
| 1-9 dms. | 100 lbs. | 15.00 - | — |
| H-47, c.l. | 100 lbs. | 17.25 - | — |
| l.c.l., 10 or more dms. | 100 lbs. | 17.75 - | — |
| 1-9 dms. | 100 lbs. | 18.25 - | — |

**These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga., Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per pound.**

## Pentalyn G—Vinylite

V

| | | | |
|---|---|---|---|
| Vinylite adhesive solution, vinyl-seal, dms., lots, f.o.b. South Charleston, W. Va., frt. pd. E. of Miss. | gal. | 2.10 - | — |
| smaller lots, same basis | gal. | 2.50 - | — |
| XL5041, 20 dms., same basis, | gal. | 2.00 - | — |
| dm. lots, same basis | gal. | 2.25 - | — |
| smaller lots, same basis | gal. | 2.50 - | — |
| XL5075, 20 dms., same basis, | gal. | 2.15 - | — |
| dm. lots, same basis | gal. | 2.40 - | — |
| smaller lots, same basis | gal. | 2.65 - | — |

Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.

| | | | |
|---|---|---|---|
| Vinylite brand resins, AYAA, AYAF, AYAT, c.l., (30,000 lbs.) paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river | lb. | .40 - | — |
| 2,000 to 9,999 lbs., cns., same basis | lb. | .43 - | — |
| 200 to 1,999 lbs., cns., same basis | lb. | .45 - | — |
| 1 to 199 lbs., cns., same basis | lb. | .60 - | — |
| AYAB, cns., 200 to 1,999 lbs., same basis | lb. | .52 - | — |
| 1 to 199 lbs., same basis | lb. | .67 - | — |
| AYAW, cns., 200 to 1,999 lbs., same basis | lb. | .52 - | — |
| 1 to 199 lbs., same basis | lb. | .67 - | — |
| QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va. | lb. | .48 - | — |
| 10,000 to 29,999 lbs., cns., same basis | lb. | .50 - | — |
| 2,000 to 9,999 lbs., cns., same basis | lb. | .52½- | — |
| 200 to 1,999 lbs., cns., same basis | lb. | .55 - | — |
| 1 to 199 lbs., cns., same basis | lb. | .65 - | — |
| VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis | lb. | .48 - | — |
| 10,000 to 29,999 lbs., cns., same basis | lb. | .50 - | — |
| 2,000 to 9,999 lbs., cns., same basis | lb. | .52½- | — |
| 200 to 1,999 lbs., cns., same basis | lb. | .55 - | — |
| 1 to 199 lbs., cns., same basis | lb. | .65 - | — |
| VYHH, c.l. (30,000 lbs.), paper bags, same basis, | lb. | .52 - | — |
| 10,000 to 29,999 lbs., cns., same basis | lb. | .54 - | — |
| 2,000 to 9,999 lbs., cns., same basis | lb. | .55½- | — |
| 200 to 1,999 lbs., cns., same basis | lb. | .57 - | — |
| 1 to 199 lbs., cns., same basis | lb. | .67 - | — |
| VYNS, c.l. (30,000 lbs.), paper bags, same basis, | lb. | .68 - | — |
| 10,000 to 29,999 lbs., cns., same basis | lb. | .70 - | — |
| 2,000 to 9,999 lbs., cns., same basis | lb. | .72½- | — |
| 200 to 1,999 lbs., cns., same basis | lb. | .75 - | — |
| 1 to 199 lbs., cns., same basis | lb. | .85 - | — |
| XYSG, paper bags, 200 to 1,999 lbs., cns., same basis | lb. | 1.25 - | — |
| 1 to 199 lbs., cns., same basis | lb. | 1.40 - | — |

## U.S. Revenue Returns Show Gain in April

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for April, 1941, compared with April, 1940, as follows:—

### Taxes Collected

| | April 1941. | April 1940. |
|---|---|---|
| Coconut, etc., oils processed. | $2,390,510.12 | $1,413,418.51 |
| Distilled spirits, domestic, excise tax $3.00 per gallon | 31,641,911.75 | 21,790,639.65 |
| Distilled spirits, imported, excise tax $3.00 per gallon | 3,119,114.29 | 1,637,185.66 |
| Gasoline | 25,608,669.76 | 15,184,770.48 |
| Lubricating oils | 2,664,196.27 | 2,026,048.27 |
| Matches | 2.38 | 8.52 |
| Narcotics, including special taxes | 67,382.37 | 27,363.59 |
| Oleomargarin excise taxes | 90,440.22 | 67,604.38 |
| Oleomargarin special taxes | 10,043.75 | 7,812.43 |
| Toilet preparations | 467,033.64 | 413,778.67 |
| Transportation of oil by pipeline. | 990,027.06 | 806,633.51 |
| Total internal revenue | $414,646,178.67 | $294,651,984.59 |

### Quantities Taxed

| | April 1941. | April 1940. |
|---|---|---|
| Distilled spirits, domestic tax gallons. | 10,731,381 | 9,783,948 |
| Distilled spirits, imported tax gallons. | 1,058,278 | 797,340 |
| Distilled spirits, rectified, proof gallons | 3,369,663 | 2,774,173 |
| Oleomargarin colored pounds | 43,794 | 31,766 |
| Oleomargin, uncolored | 33,936,352 | 25,756,654 |

## Paint Exports Compiled

Exports of paints, varnishes and thinners in 1940, as compiled by the Department of Commerce, follow:—

| | Pounds. | Value. |
|---|---|---|
| Bituminous paints | | $378,381 |
| Coldwater paints, dry. | 6,499,300 | 356,166 |
| Paste paints | 3,540,787 | 552,581 |
| Nitrocellulose lacquers, clear, gals. | 218,078 | 411,243 |
| Nitrocellulose lacquers, pigmented, gals. | 421,610 | 987,096 |
| Ready-mixed paints, stains, enamels, gals. | 2,193,177 | 3,997,019 |
| Thinners for nitrocellulose lacquers, gals. | 808,095 | 565,417 |
| Varnishes, gals. | 456,549 | 679,533 |


How many stripes has a tiger?

Okay. Let the tiger worry! These are the only 4 numbers for your money: Durez "209," "210," "220," "230." Among the hundreds of resins now on the market for use with slower drying oils . . . they stand alone. These 4 Durez resins will fill your basic needs.

We've concentrated on them . . . perfecting their particular qualities with continuous research, backed by years of testing their actual performance out in the field!

You can count on Durez resins to give your varnishes accelerated bodying . . . improved water resistance . . . faster dry . . . harder film . . . better alkali resistance. Would you like to check any of these specific points in your own formulations? Just send for a sample.

DUREZ PLASTICS & CHEMICALS, INC.
306 Walck Road, North Tonawanda, N.Y.

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

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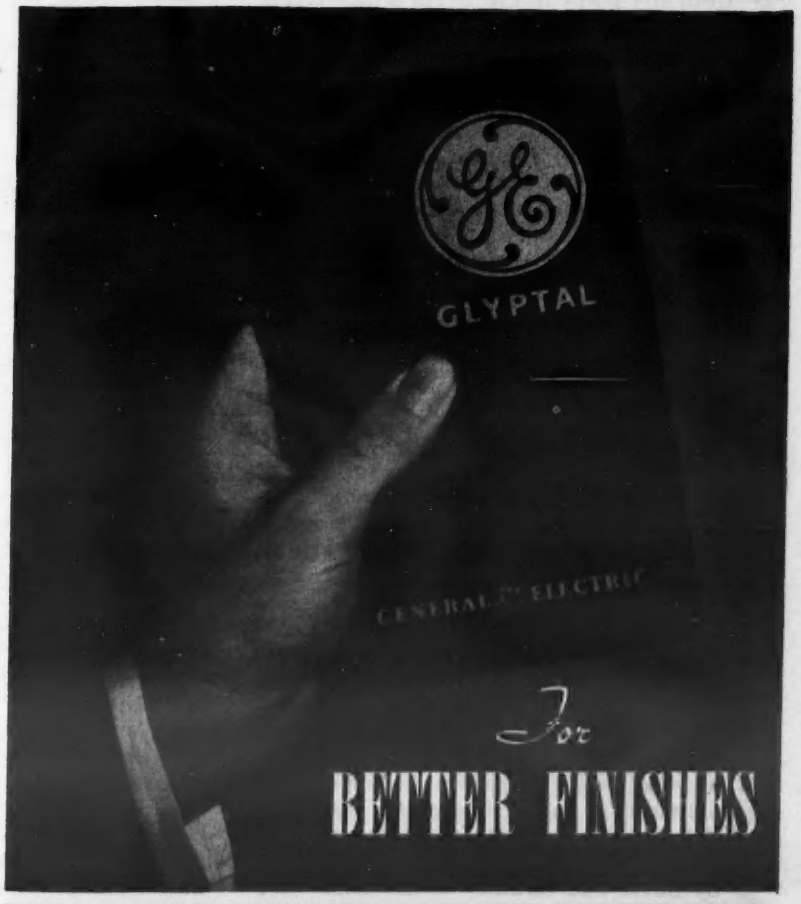


GENERAL ELECTRIC

# Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Vol. 139 June 2, 1941 Number 22

## Unlimited Responsibility

The unlimited national emergency which President Rosevelt last week proclaimed to confront the United States is more exactly an exigency—an emergency that has become chronic and more perilous. Its circumstances so clearly defined lay upon every citizen an unlimited responsibility, each one to all the millions of others, for the national safety and well-being.

Inasmuch as control of the seas or domination of any land base wherever located will constitute an attack under the new definition—"We insist upon the vital importance of keeping Hitlerism away from any point in the world which could be used, or would be used as a base of attack on the Americas"—the scope of our defensive task as outlined by the President is large indeed.

The President's address—a splendid summation of international treachery and barbarity of the Nazi regime, of the power and progress of military might, of the threat which such might holds for us—is in effect an ultimatum to Germany of what we intend to do to back up what we have already done, what the "epic resistance of Britain" has done to save a world now "divided between human slavery and human freedom." It is also a challenge, even an ultimatum, to American industry to go into high gear in a gigantic effort, "to insure the survival of the only kind of government which recognizes the rights of capital and labor"—"to assure our internal security against foreign-directed subversion."

Answering with fair directness the question that has been asked repeatedly and with growing concern in recent weeks, "What are we going to do about it?" President Roosevelt's address poses many other questions of the how and when variety. We are told that we are now actively engaged in steps to assure delivery of needed supplies to Great Britain; that additional methods and combinations of methods will be devised by naval and military technicians. Reticence on such points may well be justified by tactical and strategic considerations. But in the matter of full national productive effort the presidential proclamation in the face of indicated peril, makes the following appeal for national unity which is of utmost significance:—

> I call upon all the loyal citizens engaged in production for defense to give precedence to the needs of the nation, to the end that a system of government that makes private enterprise possible may survive.
>
> I call upon our loyal workmen, as well as employers, to merge their lesser differences in the larger effort to insure the survival of the only kind of government, which recognizes the rights of labor or capital.

Certain what and when questions could well be asked.

There is no doubt in our opinion that American industry has the will and the capacity to answer this emergency call. There is no doubt that loyal citizens will "give precedence to the needs of the nation." There is no question that the machinery for production and transportation of materials for defense and vital supplies of foods, chemicals, drugs and other necessaries can and will be made to function rapidly, smoothly and without disruption.

It is, however, pertinent to ask:—How soon will the government achieve unification in planning? How soon can the actual lag in production of ships, tanks, planes, and guns be taken up? When will the machinery for mediation of industrial disputes begin really to function?

The answer to these questions may lie in another:—How and when will the administration eliminate from its own ranks those who up to now have acted only to hamper the defense effort?

—O-P-D—

## Deals and Fair Trade

The question of whether combination deals are fair trading has been cracked wide open again by the decision of a California judge that a manufacturer does not invalidate his fair-trade-act contract by "dealing" out his product at a price lower than that set under the law. This judge takes a position diametrically opposed to that of the New Jersey jurist who recently held that a manufacturer could not cut his own contractual price and expect distributors to maintain it.

The New Jersey judge has the better equity on his side. The California ruling comprises some dicta which are fraught with opportunity of application in direct contradiction of their author's conclusions. For example, the judge found the price-cutting combination deal irrelevant to the manufacturer's purpose of price stabilization because it was "limited in the time during which the products were offered to the public." This reasoning could be applied equally well to the defense of a dealer's cutting a contractual price if his bargain offer was "limited in the time," especially if shorter than the deals' "thirty to ninety days."

The California judge declared also that the "plaintiff's combinations . . . had the consequential effect of giving consumers attractive prices." That is the primary stock argument of the price-cutter, and it is as logical—and should be as legal—in respect to him as in respect to th manufacturer who must be considered to be bound by his own contracts.

If the irrelevancy or innocuity of the deal form of price-cutting rests, as the California court implies, on its being indirectly effectuated by means of a combination, what is the fair-trade status of a combination contrived by a retailer? The California retailer was barred from giving trading stamps with a price-stabilized article. Was this because he deferred giving his combination until the buyer had earned it on the instalment plan? Would not a retailer be within his rights if he offered to sell a 19-cent package of "Pentdefiz" for 14 cents to every purchaser of a package of "Kleendeteef" at its fair-trade price of 39 cents? If not, where is the statutory authority for discriminating in favor of the manufacturer in similar circumstances?

Combination deals do not fit into the idea of fair-trade price stabilization. They have a general economic unsoundness also in that when the manufacturer cuts the price of a product his act is far more depreciative of the article in the public mind than is the cutting of the price by a bargain-bait retailer. And it is difficult logically or legally to uphold the fairness of a fixed minimum price which is higher than that at which the manufacturer who fixed it is offering the same article.

—O-P-D—

## Advertising's New Role

President Roosevelt last week expressed the feeling that advertising should play a leading educational part in the preparedness program. He said that advertising could assist in creating and maintaining public morale. He felt confident that those who direct advertising were ready to offer its contributions to the national welfare.

The national welfare and its concomitant, public morale, depend realistically on advertising because they are in such large part the product or the reflection of prosperity to which advertising so importantly contributes. At the present time, and moreso as the needs of defense production become more imperative, advertising has a distinct, twofold national duty to perform. For one thing, it must adequately educate the public with reference to the readjustments which changing circumstances demand. It must take on its real economic role, the part which will carry it to large achievement when the functionings of business have been stripped to fundamentals. Advertising must inform, rather than induce; it must guide, rather than push.

The more immediate role of advertising lies in the field of service to business which will maintain that foundation of national welfare and public morale through enormous stress of change that is inevitable. Advertising must be aimed at tomorrow's need to live, more than at today's problem of selling. Advertising must be more institutional and directed more to the creation and cultivation of goodwill against the day when there again will be plenty of everything to sell and no reason or excuse to try to block buying by boosting prices—or taxing sales.

Advertising must go on. It may primarily be directed to the rallying of the public to the buying of defense stamps or the contributing of aluminum pans or tinfoil and collapsible tubes. It may recruit for the armed forces or soften the bumps of tax-drafted funds. In many ways it can bolster public morale and promote the national welfare. And it will be doing also a good and necessary job for business as it carries the name and reputation of private enterprise through and beyond the period of public stress.

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**The manufacture of Pfizer Ascorbic Acid results from independent research, combined with engineering skill and operating efficiency. Our proven process and ample supply of raw materials insure uninterrupted production . . .**

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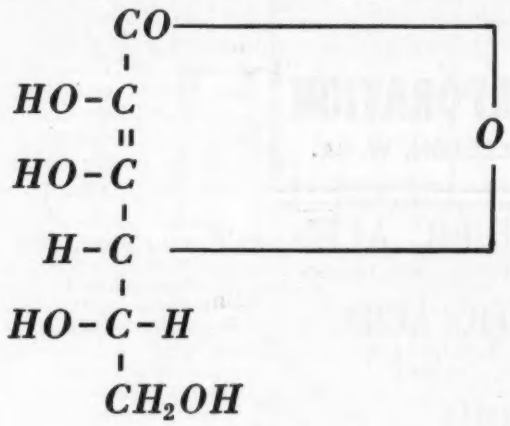


**Molecular Weight—176.06**

**Ascorbic Acid (l-Ascorbic Acid) is recognized as being Vitamin C. The U.S.P. and International Units of Vitamin C are defined as 0.05 mg. of ascorbic acid; 1 gram of ascorbic acid is therefore equal to 20,000 U.S.P. or International Units.**

*Manufacturing Chemists*

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# Heavy Chemicals

**Further Tightening Discernible in Many Basic Materials—One Producer Raises Glacial Acetic Spot Tank Price—First Domestic Production of Cobalt Oxide Underway**

A further tightening occurred in basic materials in the market for heavy chemicals last week. Orders from consuming industries working on defense orders were expanding, and exerted broader demands on producers. Backlogs already were at such levels that commitments, unless placed a few weeks ahead of time, were subject to delay. Additional rationing of essential imported and domestic raw material seemed likely under the defense program requirements. While some sizeable export inquiries appeared, and material was sought in the resale market at premium levels, offerings were limited. One leading producer advanced the spot tankcar price for standard water-white glacial acetic acid.

The first domestic production of cobalt metal and oxide was started here last week. The initial capacity calls for approximately 900 tons of metal per annum. The cobalt ore will be provided from high grade material mined in the Belgian Congo. Before the war a great portion of the cobalt oxide was processed in Belgian. Shipments have been steadily declining, amounting to only 45,184 pounds in the first quarter this year, of which only 17,850 pounds came from Belgian, while the remainder was supplied by Canada and the United Kingdom. During the year 1940, imports totaled 756,759 pounds, of which 488,619 pounds came from Belgian.

The United States has become a larger producer of soda silicofluoride as the result of greater recovery as a by-product of superphosphate plants. The sharp drop in imports, however, more than offset the added output. Imports reached a low figure of 1,800,000 pounds in 1940, contrasted with a high of 6,700,000 pounds in 1939. Denmark was the largest supplier, furnishing approximately one-half to two-thirds the total; Germany, Italy and the Netherlands have also been major factors.

**Alums.**—Ammonia, potash and soda in steady demand. Prices unchanged and firm.

**Alumina Sulphate.**—Good domestic and export inquiry. Prices rule firm.

**Ammonia, Anhydrous.**—Output moving direct to consuming channels. Market tight, and prices without change.

**Ammonia, Aqua.**—Brisk inquiry, with shipments steady. Market strong.

**Ammonia Bicarbonate.**—Transactions routine. Prices lack change.

**Ammonia Bifluoride.**—Business confined to regular consumers, with little available on spot. Prices firm.

**Ammonia Nitrate.**—Active inquiry. Prices remain unchanged and firm.

**Ammonia Persulphate.** — Market firm. Fairly steady replacement interest.

**Ammonia Silicofluoride.** — Situation tight. Shipments delayed. Resale 15c. to 20c. per pound.

**Ammonia Sulphocyanide.**—Domestic output adequate to provide all needs. Prices steady to firm.

**Ammonia Sulphide.** — Steady demand. Market in firm position.

**Ammoniac, Sal.**—Prices unchanged and firm, while buying held at good levels.

**Antimony.** — Domestic spot metal unchanged. Routine interest.

**Antimony Oxide.**—Usual consumers made necessary replacements. Prices without change.

**Arsenic.** — Market firm; steady inquiry.

**Barium Carbonate.**—Shipments falling behind in some instances. Prices display firmness.

**Barium Chloride.**—Demand absorbing most of available supplies. Prices firm.

**Barium Nitrate.** — Steady interest, while prices remain the same.

**Bleaching Powder.** — Shipments moved at a brisk pace and market was in strong position.

**Calcium Acetate.** — Selling limited, market tight, and prices firm.

**Calcium Carbide.**—Steady demand. Brisk export inquiry; shipments from here totaled 17,700,000 pounds during first quarter of 1941.

**Calcium Chloride.**—Better than normal seasonal movement. Prices without change.

**Carbon Tetrachloride.**—Market reflects tightness in basic material. Prices unchanged and firm.

**Chlorine.**—Demand heavy. Sellers pressed to make deliveries. Prices firm.

**Cobalt Oxide.**—Domestic product of metal and oxide underway. Market position strong and price firm.

**Copper.** — Situation remains tight; shipments heavy and inquiries active. Prices firm.

**Copper Salts.**—Sellers well sold ahead against contracts. Prices firm.

**Copper Sulphate.**—Business allocated as shortage continues. Prices firm. March exports 3,505,003 pounds, valued $143,075.

**Fluorspar.**—Prices remain stabilized, and demand was steady.

**Glauber's Salt.**—Withdrawals active, and market displayed firmness.

**Lead Acetate.**—Buying moderate, while prices were firm.

**Lime.**—Demand good. Pricewise a steady to firm tone ruled.

**Magnesite.**—Inquiries heavy, and

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

### Price Changes

**Advanced**

Acetic acid, glacial, std. water-white, spot, tanks, 1c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 158.2 | 158.2 | 158.2 | 150.8 |

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 101.6 | 101.6 | 101.6 | 101.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Association meetings:—**

*Purchasing Agents Ass'n, May 26-29, Chicago.*
*Manufacturing Chemists Ass'n, June 5-6, Skytop, Pa.*
*Insecticide, Disinfectant Mfrs., June 9-10, Chicago.*

domestic supplies well absorbed. Prices firm.

**Manganese Dioxide.**—Steady movement against contracts. Prices without alteration.

**Nickel Salts.**—Business limited as priority ruling restricts output. Prices nominal.

**Phosphorus.**—Selling confined to regular channels. Resale for red 68c. to 75c. per pound.

**Potash Carbonate.**—Shipments steady against contracts. Market position tight. Prices firm.

**Potash, Caustic.**—Offerings usually restricted to regular channels against contracts. Market strong.

**Potash Chlorate.**—Active inquiry. Resale 40c. to 42c. per pound.

**Potash Cyanide.**—Transactions routine. Prices failed to change.

**Potash Metabisulphite.**—Market tight, offerings limited. Outside market 19½c. to 21c. per pound.

**Potash Permanganate.**—Business on restricted basis, sellers supplying regular contract accounts for normal needs. Prices firm.

**Salt.**—Brisk inquiry. Prices display firmness.

**Saltcake.**—Domestic output well absorbed. Prices nominal.

**Soda Acetate.**—Market tight. Buying steady. Prices firm.

**Soda Ash.**—Good movement against contracts. Prices without change.

**Soda Bicarbonate.**—Prices firm, while shipments were moderately active.

**Soda Bifluoride.**—Dealings confined to regular accounts. Market position firm.

**Soda, Caustic.**—Volume continued to broaden, while prices underwent no change.

**Soda Chlorate.**—Sellings restricted to contracts. Resales 15c. to 16c. per pound.

**Soda Cyanide.**—Demand active, absorbing available output. Prices firm.

**Soda Fluoride.**—Prices firm, buying steady.

**Soda Hydrosulphite.**—Good interest, with prices well sustained.

**Soda Metasilicate.**—Shipments steady. Prices remain firm.

**Soda Nitrite.**—Active inquiry, and withdrawals steady. Prices unaltered.

**Soda Phosphate.**—Market strong, with some allocation necessary. Prices unchanged.

**Soda Silicate.**—Buying remained broad, and tone was firm.

**Soda Silicofluoride.**—Sellers booked ahead against contracts. Resale 12c. to 15c. per pound.

**Soda Stannate.**—Buying steady. Prices unchanged and firm.

**Soda Sulphide.**—Demand absorbs available quantities. Resale for solid 4½c. per pound.

**Sulphur, Refined.**—Active interest. Price trend upward.

**Tin Salts.**—Prices for various tin derivatives remained unchanged, reflecting stability in Straits metal, which held around 52¼c. per pound.

**Zinc Chloride.**—Selling confined to contracts. Prices unchanged and firm.

## Acids

One producer advanced tankcar spot price for glacial acetic acid to provide the outstanding development in the market for mineral acids last week. As far as could be learned other factors did not follow because output was sold ahead against contracts. A shortage, which threatened to become more acute, was evident for other acids. Selling of chromic was largely confined to regular accounts. Formic was taken steadily. Business in hydrofluoric and oxalic was limited to regular accounts. Active demand prevailed for muriatic and nitric. Good quantities of sulphuric moved against contracts.

**Acetic.**—One producer advanced tankcar spot price 1c. for standard water white glacial to basis of 6½c. per pound delivered. Market remained sold up.

**Battery.**—Demand moderately active, and price firm.

**Chromic.**—Brisk inquiry, selling confined to regular accounts. Resale 18c. per pound.

**Formic.**—Shipments steady. Market strong. Resale 14c. per pound.

**Gallic.**—Transactions conservative. Prices unchanged and firm.

**Hydrofluoric.**—Prices firm. Selling restricted.

**Lactic.**—Shipments good, and market retained its firmness.

—*Continued on page* 35

## B.L. Landers Promoted By Philipp Brothers

Philipp Brothers, Inc. (Massachusetts) announce the promotion of B. L. Landers, New England manager of the chemical department, to vice-president in charge of chemical sales of the New England Division, effective immediately. Mr. Landers, an alumnus of Massachusetts Institute of Technology, has been associated with Philipp Brothers, Inc., for the past seventeen years.

His clubs include the Chemists' Club, New York; the Drysalters Club of New England, and Textile Color & Chemists Association. He is also a member of the Rubber section of the American Chemical Society. Mr. Landers will continue his headquarters at the Boston office of the Company, 176 Federal street, Boston.

## Acetic Plant for Ceylon

The State Council of Ceylon recently approved the expenditure of a sum not exceeding $67,000 for the erection and equipment of a "pilot" plant capable of manufacturing up to 100 tons annually of acetic acid and other by-products, according to the Department of Commerce. Acetic acid is used in Ceylon for coagulating rubber. United States exports of acetic acid to Ceylon in 1940 amounted to 178,000 pounds, valued at $18,700.

## Electrochemistry Discussed

Electrochemistry, which at present plates metals, makes alkalis and liquid chlorine, and is responsible for many other commercial processes, may before long produce foods and textiles, according to reports quoted in *The Pioneer*, monthly magazine of the Niagara Alkali Company and the Electro Bleaching Gas Company. Copies of *The Pioneer* are available without charge to any user of caustics or liquid chlorine upon request of Niagara Alkali Company, 60 East Forty-second Street, New York, mentioning the REPORTER.

## Colloid Symposium At Cornell June 19-21

The eighteenth annual colloid symposium will be held in Cornell University, Ithaca, N. Y., June 19 to 21. It will be styled the "Wilder D. Bancroft Colloid Symposium," and Professor Bancroft will give the opening lecture, "Thirty Years of Colloid Chemistry," and will be the guest at a banquet June 19 in the Ithaca hotel.

Registration for the symposium and general headquarters will be in the Baker chemical labortory. Registration fee is $3 for A.C.S. members; $6 for nonmember chemists. R. W. Cummings, of the Cornell department of agronomy, is handling room reservations in Balch hall.

The program is laid out in four parts—(1) Surface chemistry, (2) inorganic colloids, (3) organocolloids, (4) protein chemistry.

## *Union Carbide Promotes Ricks, O'Shea, White*

—*Continued from page* 5

president have been associated with the corporation since its formation in 1917. Mr. Ricks was one of the leaders in its creation and served as vice-president until 1925 when he was elected president. Mr. O'Shea, who was elected a vice-president in 1925, came to the corporation as an executive of the Union Carbide Company, which was acquired by Union Carbide and Carbon Corporation in 1917, and with which he had up to then spent his entire business career. These moves, it was stated, will in no way change any policies or programs of the Corporation.


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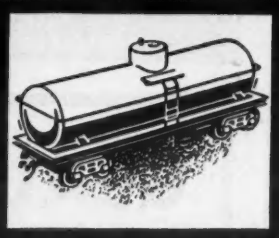

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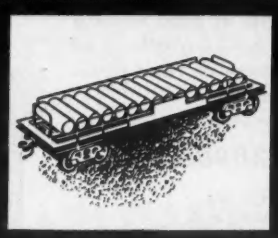

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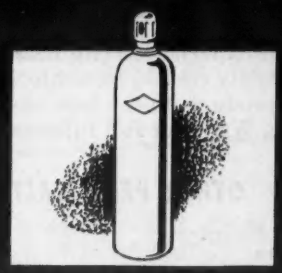

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Sal ammoniac
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# Heavy Chemicals

## Acids

—*Continued from page 33*

**Mixed.**—Demand active. Market firm.

**Muriatic.**—Market strong, and commitments heavy.

**Naphthenic.** — Regular consumers absorbed available output. Prices nominal.

**Nitric.**—Active demand. Market firm and prices unchanged.

**Oxalic.**—Selling limited. Resale 28c. to 30c. per pound.

**Phosphoric.**—Inquiries steady, while prices held unchanged.

**Sulphuric.**—Movement good against contracts. Prices unchanged and tone firm.

**Baltimore,** May 27.—Sulphuric acid is still quoted at the nominal figure of $12 per ton for 60 degree and at $15 per ton for 66 degree, but new contracts at the end of current half year will probably be at higher figures as result of higher freight rates. Oleum is in a similar position, although present nominal price continues at $17 per ton.

## Insecticides

Despite drought conditions in the Atlantic seaboard states, conditions in other sections continued favorable for agricultural insecticides and fungicides. A better than normal demand took place in the Pacific Northwest, Midwest and some of the Southern states. Lead arsenate experienced a much better season than a year ago, with the consuming period near an end. Prospects appeared good for calcium arsenate over the balance of the season. A firmer price tone was discernible. Quotations for lead arsenate continued to display an upward tendency, although all factors have not advanced prices.

**Calcium Arsenate.**—Price tone firm. Normal movement continued in most sections. March exports 215,948 pounds.

**Lead Arsenate.**—A satisfactory inquiry prevailed. Price tendency was upward, with some sellers quoting at the higher levels announced preceding period. March exports 348,134 pounds.

**Nicotine Sulphate.**—Business moderate. Prices remain the same. March exports 34,503 pounds.

**Paradichlorobenzene.** — Steady interest. Prices rule firm.

# *Chemical Workers And Payrolls Gain*

—*Continued from page 5*

**Payroll Totals**

(100 = 1923-25 average)

| | 1941. April | 1941. March | 1940. April |
|---|---|---|---|
| Chemicals | 205.4 | 201.7 | 159.6 |
| Cottonseed oil, cake and meal | 85.4 | 93.6 | 68.8 |
| Druggists' preparations | 137.6 | 137.7 | 130.5 |
| Fertilizers | 173.1 | 116.9 | 136.2 |
| Paint and varnishes | 158.0 | 147.4 | 131.9 |
| Petroleum | 141.9 | 133.4 | 136.9 |
| Rayon and allied products | 338.1 | 332.9 | 311.1 |
| Soap | 115.3 | 114.8 | 98.0 |

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 averages:—

| | Employment 1941. April | Employment 1941. March | Payroll totals 1941. April | Payroll totals 1941. March |
|---|---|---|---|---|
| Metalliferous mining | 76.6 | 74.0 | 76.9 | 72.7 |
| Quarrying and non-metallic mining | 48.1 | 44.1 | 47.0 | 40.2 |
| Crude petroleum producing | 60.8 | 60.5 | 57.5 | 56.8 |
| Dyeing and cleaning | 117.4 | 104.4 | 96.1 | 76.9 |

### Employment in New York

Employment in factories producing chemicals and related products in New York State increased 2.3 percent from March 15 to April 15, and gained 2.1 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 1.7 percent from March 15 to April 15, and payrolls increased 3.0 percent during the same period. The department's index of employment for April 15 was 112.0. The payroll index was 122.7. These indexes are based on the average years 1925-1927 as 100.

| | Percentages State | Percentages City |
|---|---|---|
| Drug and industrial chemicals | +4.3 | +3.6 |
| Oil products | −2.1 | +0.7 |
| Paints and colors | +2.2 | +2.9 |
| Photographic and miscellaneous chemicals | +3.1 | +7.0 |

# *Trade Briefs*

**Henry A. Raymond,** of the Cleveland Cliffs Iron Corporation, has been elected a director of the Air Reduction Company, this city.

**Kennecott Copper** Corporation, this city, has elected R. C. Klugeschild a vice-president and A. S. Cherouny was named secretary in his place.

**Beryllium, Inc.,** has been organized in Los Angeles county, with a capital of $25,000. The new corporation is represented by Musick & Burrell, Subway Terminal Building, Los Angeles, Calif.

**Western Electro Chemical** Company has been organized in Los Angeles county, with a capital of $150,000. California agent is Paulson, Schick & Co. of 403 West Eighth street, Los Angeles, Calif.

**National Oil** Products Company, Harrison, N. J., has distributed a bonus of one week's salary to all employees making less than $3,000 a year who have been with the company since November 15, 1940.

**De-Oxo-Lin Chemical** Products, Inc., a Nevada Corporation, has been organized in Los Angeles county, with a capital of $250,000. California agent is Ewing Montgomery, 3051 Rosslyn street, Los Angeles, Calif.

**Deer Creek Tungsten** Company has been incorporated in Los Angeles county, with 14,000 shares of no par value capital stock. The new corporation is represented by Cobb, Campbell & Kelley, 639 South Spring street, Los Angeles, Calif.

Are You This Chemical Jobber?

If so, there is an important distributorship awaiting you, of Pittsberg Methyl Bromide, the fumigant with these 10 essentials.

1 • **Exclusive new Pittsberg process** gives higher purity, guaranteed clear and water-white.
2 • **High Toxicity** for both undeveloped and adult insect life, under widely varying conditions.
3 • **Non-Flammable** over a wide range of concentration far beyond those used in practice.
4 • **High Penetration** so that every portion of the room and contents will be reached.
5 • **Low Absorption and Adsorption** — so slight it will not be a factor. No residual odor or taste.
6 • **Quick acting.**
7 • **Non-Corrosive to metals.**
8 • **Adaptability** to a wide range of products, including tender food and plant products.
9 • **Convenience** — Packed in 1 lb. to 120 lb. quantities. Easy to apply.
10 • **Economy** as compared to other fumigants in amounts required to give comparable results.

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In certain areas distributor franchises are available . . . write or wire:

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*Other Pittsberg Products:*
**Refrigerants** *(Methyl Chloride, Methylene Chloride, Sulphur Dioxide, Kinetic Chemicals, "Freon 12"* • **Sulphur Dioxide** *(commerical)* • **Sodium Bisulphate** *(granular)* • **Hydrobromic Acid, Potassium MetaBisulfite.**

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R·W·GREEFF & CO.
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SHORT BOILING RANGES ✓
EVEN EVAPORATION RATES ✓
BETTER SOLVENT POWER ✓

CHECK BARRETT LIGHT OIL DISTILLATES on all these points

Short boiling ranges of desired temperatures permit quick completion of evaporation or drying processes and reduce loss of solvents in recovery operation. These are advantages which appeal to production engineers and chemists.

Comparative tests of Barrett Light Oil Distillates and other solvents reveal the desirable short boiling ranges, the even evaporation rates and the superior solvent power of these Barrett coal-tar solvents. They include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Solvent with a wide range of initial and end points.

Write for our convenient specification chart and for complete information on Barrett coal-tar solvents. We will gladly cooperate with you in selecting the most suitable solvent or in developing special solvents for your purpose. Inquiries are invited.

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BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
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Barrett CHEMICALS

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*Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.*

# Coaltar Chemicals

**Heavy Inquiries for Tar Acids and Phthalic Anhydride—April Tar and Light Oil Recoveries Show Declines—Benzol and Toluol Output Lower During April**

A broad inquiry continued to characterize business in the market for coaltar chemicals last week. The general situation underwent little change insofar as supplies were concerned. Sellers could not handle all the inquiries for tar acids, phthalic anhydride and certain intermediates. Consequently, a continuance of the allocation system prevailed to assure equitable distribution among regular consuming trade. Prices underwent no alteration, however, a firm tone governed the transactions.

The production of byproduct coke in the United States during April totaled 4,474,315 net tons a decrease of 10.5 percent from the 4,999,309 tons in March and compared with 3,984,347 in April, 1940. Of the total output of byproduct coke for April, furnace plants accounted for 3,427,799 tons and merchant plants, 1,046,516 tons. Stocks of byproduct coke at the end of April amounted to 694,433 tons at furnace plants and 706,203 tons at merchant plants. Coke was produced at 84 plants of which 57 produced benzol; 53 toluol and 30 naphthalene, according to the Bureau of Mines.

April tar oil recovery was approximately 55,520,443 gallons, against 62,048,678 in March and 48,831,304 gallons in April, 1940. For the first four months this year output aggregated 234,666,390 gallons, 206,271,828 gallons in the like period a year ago. Light oil production in April amounted to about 18,314,702 gallons, compared with 20,468,007 in March and 16,108,134 gallons in April a year ago. Total for the first four months of 1941 was 77,410,135 gallons, against 68,043,461 gallons in the similar period last year.

**Price Changes**

**Advanced**
None

**Reduced**
None

**Comparative Values**

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 126.6 | 126.6 | 126.6 | 127.3 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Basic Products

**Benzol.**—Demand increasing. Price tone firmer. April output 11,649,000 gallons, against 13,305,000 in March and 9,588,000 gallons in April, 1940. First four months production totaled 49,849,000 gallons, compared with 40,659,000 gallons in like period last year.

**Carbazole.** — Steady inquiry from regular channels. Prices firm.

**Coaltar.** — Satisfactory movement against contracts. Price tone firm.

**Creosote Oil.**—A fairly steady replacement demand kept market position favorable.

**Cresols.**—Market tight, sellers sold ahead against contracts. Business allocated. Prices firm.

**Cresylic Acid.**—Domestic acid pro rated to regular trade. Prices firm. Small imports absorbed, ranging from 90c. to 95c. per gallon.

**Naphthalene.** — A firm situation prevailed. Domestic supplies taken by regular contract accounts. April production 7,272,000 pounds, against 6,557,000 pounds in March and for first four months this year 26,293,000 pounds.

**Oil, Shingle Stain.**—A normal volume passed to keep market position firm.

**Phenol.**—Inquiries heavy, business allocated to regular consumers. Prices firm. Resales 17c. to 18c. per pound.

**Pitch, Coaltar.** — Trading routine. Pricewise a firm tone prevailed.

**Pyridin.**—Shipments steady to regular channels. Market firm.

**Tar Acid Oils.**—Call moderate. No change in the quotations.

**Toluol.** — Shipments moved directly to consumers against contracts. Prices firm. April production 2,181,000 gallons, a decrease of 7.1 percent from 6,557,000 gallons in March. Output so far this year amounted to 26,293,000 gallons.

**Xylol.** — Market in tight position. Inquiries and shipments steady. Prices firm.

## Chicago Coaltar Bases

Orders for most grades of coaltar bases are good. Movement has been rather extensive for some time and the price structure appears to be well supported. In addition, inquiries give indication of probable continuation of this trend. Benzol is moving well. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 8½c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

## Coaltar Acids

**Antranilic.**—Interest routine. Prices display firmness.

**Benzoic.**—Steady call from usual channels. Prices rule firm.

**Broenner's.** — Purchases moderate. Prices unchanged and tone firm.

**Cleve's.**—A satisfactory amount of replacement buying appeared.

**Fumaric.**—Inquiries and shipments remain steady. Prices unaltered.

**Gamma.** — Buying irregular. No change occurred in the prices.

**H.**—Market strictly a routine affair. Prices without change.

**Laurent's.**—Demand moderate. Nothing new took place in the quotations.

**Maleic.**—Business brisk. Prices underwent no change.

**Malic.**—Consumers made moderate withdrawals against contracts as a rule.

**Picramic.**—Steady inquiry. Market retained its firm position.

**Picric.** — Shipments moved at a steady pace, while market was strong.

**Salicylic.**—Spot and contract buying well sustained. Prices unchanged.

**Succinic.** — Call routine. Prices lacked any change and tone firm.

**Sulphanilic.** — Withdrawals steady. Market displayed firmness.

**Tobias.**—Business held at good levels in most directions. Prices firm and unchanged.

## Other Intermediates

**Alphanapthol.** — Usual consumers made steady purchases to keep market firm.

**Alphanaphthylamine.** — Business

**Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

*Syn. Organic Chem. Mfrs. Ass'n., June 5, Skytop, Pa.*
*Insecticide, Disinfectant Mfrs., June 9-10, Chicago.*

moderately active. Prices without change.

**Anilin.**—Demand good. Pricewise a firm tone predominated.

**Anthraquinone.**—Withdrawals steady against contracts. Prices lacked change.

**Benzaldehyde.**—Inquiries and shipments steady. Market position firm.

**Benzidin Base.**—Replacement buying held at favorable levels. Prices unaltered.

**Betanaphthol.** — Prices unchanged and firm. Steady inquiry.

**Betanaphthylamine.**—Market retains its firmness, while trading was steady.

**Diethylanilin.** — Buying moderate. Prices failed to change.

**Dimethylanilin.**—A good volume of business continued. Market firm.

**Dinitrobenzene.** — Shipments steady against contracts. Prices rule firm.

**Dinitrochlorobenzene.**—Withdrawals steady from regular channels. Prices unchanged.

**Dinitronaphthalene.** — Prices firm. Business held steady.

**Dinitrophenol.**—Market position firm, while dealings were moderately active.

**Dinitrotoluene.** — Commitments steady. Prices without alteration.

**Diphenyl.**—Buying held at steady levels, while prices were the same.

**G. Salt.**—A routine interest continued. Prices without change.

**Metanitroparatoluidin.** — Small lots usually made up the call. Prices unaltered.

**Nitrobenzene.** — Demand steady. Prices without change and firm.

**Nitronaphthalene.**—Selling usually confined to regular channels. Prices firm.

**Orthoanisidin.** — Transactions moderate. Prices held at previous levels.

**Orthochloroanilin.**—A firm tone governed the dealings, while commitments were well sustained.

**Orthochlorophenol.**—Steady call from usual consumers. Prices remain the same.

**Orthocresol.**—Business well booked ahead, with some allocation discernible. Prices firm.

—*Continued on page* 38

## Cobalt Salts Being Produced Domestically

Initial domestic production of cobalt metal and oxide and other cobalt derivatives was started last week in the new $600,000 Niagara Falls, N. Y., plant of the Electroc Metallurgical Sales Company, a unit of the Union Carbide & Carbon Corporation, this city. Distribution of the cobalt products, the output of which will approximate 900 tons annually, will be made through the Central Trading Corporation, this city.

The ore, which is being supplied by the Union Miniere de Haut Katanga from its deposits in the Belgian Congo, has a 40-43 percent cobalt content, with no arsenic. The African Metals Company, represented the Union Miniere in the negotiations.

Imports of cobalt oxide into the United States in 1940 amounted to 756,759 pounds, valued at $1,124,554. Of this, 488,619 pounds, valued at $721,241, came from Belgium. In the first quarter of 1941, out of total imports of 45,184 pounds, Belgium shipped 17,580, with the remainder coming from Canada and the United Kingdom.

## Sodas Used in Making Boiler Compounds in Canada

Production of boiler compounds in Canada had a selling value at works of $446,500 in 1939, compared with $414,700 in 1938, according to statistics recently released by the Department of Trade and Commerce. Other products made in this industry had a selling value at works of $31,000 in 1939, compared with $31,700 in 1938. Included among the materials used by this industry in 1939 were soda ash, 2,486,700 pounds, cost at works, $43,900; caustic soda, 222,200 pounds, $7,500; sodium silicate, 477,000 pounds, $6,500; and trisodium phosphate, 388,400 pounds, $12,900.

**Barada & Page,** Kansas City, has released its second quarter price list for agricultural and industrial chemicals.

## Synthetic Ammonia Plant To Be Built for TVA

*Baltimore, May 27, 1941*

Production of synthetic ammonia for the manufacture of explosives soon will be under way in a new, modern "black-out" plant at Wilson dam, near Sheffield, Ala. Bartlett Hayward division of the Koppers Company has been awarded a contract by the Tennessee Valley Authority for the construction of one of its semi-water gas plants and auxiliary equipment. Construction will be started as soon as possible and the plant is to be ready for operation 90 days later. The plant will produce about 20,000,000 cubic feet of gas a day from coke, steam and air. It will provide the elements from which other equipment will create the synthetic ammonia. The amount of ammonia or the quantity of explosives which will be produced was not revealed.

## Vanadium Ores Shipments Reported for 1940

Carnotite and vanadium ores shipped for sale or used in making vanadium oxide amounted to 96,345 short tons containing 2,067,106 pounds of vanadium in 1940. In addition, 434 short tons of salts containing 23,495 pounds of vanadium, obtained as a by-product of complex ores, were shipped in 1940. Thus, a total of 2,090,601 pounds of vanadium were shipped or used in 1940 compared with 1,984,068 pounds in 1939. The carnotite and vanadium ores came from several operations in Colorado and Utah, and complex ore carrying values in gold, silver, lead, molybdenum, and vanadium was produced in Arizona.

## Republic Chemical Names Barbera Vice-President

Edmund C. Barbera has been elected vice-president of the Republic Chemical Corporation, this city. Mr. Barbera, a graduate of Brooklyn Polytechnic Institute, heretofore has been in charge of sales to Latin America.

## Chemists Club Golf Outing Attended by 65

Winners at the golf tournament of the Chemists' Club, held at the Bonnie Briar Country Club, Larchmont, N. Y., May 27, were:—

Low gross, President's cup and trophy of the Salesmen's Association of the American chemical industry, E. B. Curtis; second, Dr. R. F. Bacon.

Low net:—Carlton Ellis trophy and Prior trophy, Ken Klipstein, of the Calco chemical division of American Cyanamid Company; second, R. C. Champlin, of the Ethyl Gasoline Corporation.

Kickers' handicap, members, W. B. Merrill, of Joseph Turner & Co., Ridgefield, N. J.; second, C. W. Frost, of the Prior Chemical Corporation.

Round-table trophy, Ralph E. Dorland, of the Dow Chemical Company.

Guests, low gross, H. W. Thompson; low net, W. Valentine; kickers, first, H. S. Cottrell, of Innis-Speiden & Co.; second, R. S. Rollard, of the Pennsylvania Salt Manufacturing Company; third, C. W. Bolz, of the Pennsylvania Salt Manufacturing Company.

Howard Farkas, of the U. S. Stoneware Company, won the tennis championship of the club, after a gruelling all-day game with Carl Funke, of the Nova Chemical Corporation.

Arrangements of the tournament were handled by DeWitt Thompson, of the Mathieson Alkali Works, who reported that sixty-five participated in the tournament and eighty-five were in attendance at the dinner.

## Toluol Output Started At Nova Scotia Plant

Production of toluol and xylol was recently started in a plant at Nova Scotia. Toluol shipments to Canada from the United States in 1940 amounted to 13,908,000 pounds and xylol, 139,700 pounds, the first year for which these figures are available.

**Manchuria Electro-Chemical** Industry Company, a state company established with a capital of MY30,000,000 is reported to be moving its head office from Hsinking to Kirin.


TAR ACIDS

*Phenol · Cresol Cresylic Acid*

TAR ACID OILS

**KOPPERS CHEMICALS AND SOLVENTS**

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (5°, 10° and Industrial) . . . Solvent Naphtha (including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

**OTHER KOPPERS PRODUCTS**

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

**PHENOL**—All Standard grades such as 82% and 90% and 39° Melting Point Pure.

**CRESOL**—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Mesta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

**CRESYLIC ACID**—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

**TAR ACID OILS**—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content appropriate for low to high coefficiencies with tar acid contents as required.

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**SOME TYPICAL USES:**

SYNTHETIC RESINS
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DISINFECTANTS
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EXPLOSIVES
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SOAP
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LACQUER
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OIL PURIFICATION
ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

KOPPERS

# Coaltar Chemicals

## Other Intermediates

—*Continued from page* 37

**Orthodichlorobenzene.** — Shipments steady. Prices display firmness.

**Orthonitroaniline.** — Inquiries good, with business confined to regular sources. Prices hold firm.

**Orthonitrotoluene.**—Market position firm. Inquiries steady.

**Orthophenetidin.**—Buying moderate. Prices remain firm.

**Orthotoluidin.** — Bulk of business confined to regular consuming channels. Prices unaltered.

**Parachlorophenol.** — Market strong. and selling usually limited to usual channels.

**Paranisidin.** — Firmness characterized the trading, with demand fairly steady.

**Paranitroaniline.** — Quotations unchanged and firm. Good inquiry.

**Paranitrochlorobenzene.**— Shipments moved steadily against contracts, with prices firm.

**Paranitrophenol.**— Withdrawals good, and market firm.

**Paranitrotoluene.** — Market position firm, with movement steady.

**Paratoluidin.**—Usual consumers made steady replacements to keep market firm.

**Phthalic Anhydride.**—Market tight, sellers booked ahead against contracts, with business allocated. Prices unchanged and firm.

**R. Salt.**—Dealings routine. Prices underwent no change.

**Schaeffer's Salt.** — Moderate call. Prices remain the same.

**Thiocarbanilide.** — Steady interest. Prices remain unchanged and firm.

**Toluidin.**—Business good and market retained its firmness.

**Xylidin.**—Firm price tone prevailed with dealings steady.

## Coaltar Colors

A steady volume of orders reached the market for coaltar colors last week. Activity in principal consuming lines retained their high levels and reflected in a good amount of replacement buying. A satisfactory export inquiry continued. Prices lacked any change, however, the tone remained firm.

Twenty colors will be shown in the 1941 Fall Color Card for felt hat bodies to be issued by the Textile Color Card Association. The shades to be shown include California claret, deepwater blue, plum violet, khaki green, golden sherry, timber green, Santos brown, aerial blue, Chilean wine, cruiser gray, burnt ginger, canyon green, plumwine, soldier blue, sepia brown, trophy gold, old glory blue, old glory red, track tan and hockey green.

Imports of coaltar dyes into China were valued at 5,925,500 gold units in 1940 or 6 percent below the corresponding figure for the year 1939. Germany continued the leading supplier with 56 percent of the trade, a decline of 11 percent from 1939. Japan, ranking second, dropped from 21 percent to 15 percent in 1940, and the United States rose 6 percent of the trade to 15 percent. Switzerland and Italy also showed increases.

Highest quality

NAPHTHENIC ACID

CRESYLIC ACID

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STANDARD OIL COMPANY OF CALIFORNIA
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CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

## *N.A.I.D.M. to Meet In Chicago June 9-10*

—*Continued from page* 5

ing agent, Michael Reese Hospital, Chicago.

**Afternoon Session**

"Information, Please," a question and answer clinic, C. P. McCormick, director. Board of experts:—Dr. Klarmann; Dr. A. E. Badertscher, of McCormick & Co.; L. J. McCava, of the Continental Can Company; Mr. MacNair.

"Some Bacteriological Aspects of the Public Sanitation Problem," Dr. G. J. Hucker, chief in research, bacteriology division, New York State Agricultural Experiment Station, Geneva, N. Y.

"Evaluation of Liquid Insecticides Against Crawling Insects," final report N.A.I.D.M.-Ohio State University Project, Dr. F. L. Campbell, professor of entomology, Ohio State University, Columbus.

"Control of Household Insects with Smokes Containing Pyrethrum, Derris and Certain Synthetics," Dr. Llye D. Goodhue and William L. Sullivan; to be presented by Dr. R. C. Roark, Department of Agriculture, Washington.

"A Twenty-Year Picture of Pyrethrum Prices and Scientific Investigations," Dr. C. S. Corl, Allaire, Woodward & Co.

**Tuesday, June 10**

"Correlation Between Repellancy and Evaporation of Commonly Used Stock Spray Base Oils;" H. E. Whitemire, Whitmire Research Corporation.

"Buying Maintenance Supplies," C. N. Skidmore, purchasing agent, Northwestern University, Chicago.

"A Model Insecticide Law," Henry C. Fuller, N.A.I.D.M. consultant, Washington, D. C.

"Shall the Sale of Insecticides and Disinfectants Be Restricted by Law to Unbroken Packages?"; speakers:—J. M. George, secretary, Inter-State Manufacturers Association, Winona, Minn.; J. N. Curlett, McCormick & Co., and Mr. Fuller.

Report on coloration of powdered insecticides, Mr. MacNair.

Report on export standards, John A. Marcuse, West Disinfectant Company.

"A New Method for Studying the Effectiveness of Cattle Fly Sprays," Dr. Ed M. Searls, University of Wisconsin.

**Afternoon Session**

Report of work of insecticide scientific committee, Dr. Badertscher.

"Method of Testing Cattle Sprays," F. C. Nelson, Stanco, Inc.

"Mothproofing Investigation," F. W. Fletcher, Dow Chemical Company.

"A Modern Slant on Marketing Problems," Prof. Fred A. Russell, School of Commerce, University of Illinois, Urbana, Ill.

"Household Sprays for Plant Purposes," Dr. Thomas Carpenter, Sinclair Refining Company.

"Deterioration of Powdered Pyrethrum," Dr. Alfred Weed, John Powell & Co.

Reports of Miscellaneous committees.

Report of resolutions committee.

The informal beefsteak dinner and floor show will bring the convention to a close, being scheduled for 7:30 p.m. June 10. The dinner will be preceded by a cocktail party at 6:30 p.m.

### N.A.I.D.M. Special

Special cars, including a club-lounge car, for members of the association have been attached to the Pennsylvania Railroad's train "The General," which will leave New York June 7 at 3:55 p.m., stopping at North Philadelphia 5:07 p.m., Harrisburg 6:53 p.m., Altoona 9:27 p.m., Pittsburgh 12:07 a.m., arriving at Chicago 7:40 a.m., CST, to pick up "The General" at Harrisburg, a Pennsylvania train leaving Washington at 1:50 p.m., Baltimore 2:35 p.m., EST, and arrives Harrisburg at 4:46 p.m. EST.

### Gordon Baird in Hospital

Gordon M. Baird, of Baird & Maguire, Inc., Holbrook, Mass., was removed to the Weymouth Hospital, South Weymouth, Mass., May 21, for an emergency appendectomy. Latest reports were that Mr. Baird was resting comfortably.

**Corn Products** Refining Company, this city, has elected to its directorate Major T. P. Walker, of the Commercial Solvents Corporation.

## Textile Chemists Make Mothproofing Tests

The committee on mothproofing of the American Association of Textile Chemists and Colorists, with J. Robert Bonar of the General Dyestuff Corporation as chairman, is active in developing standard tests for "Resistance of Fabrics and Yarns to Insect Pests" and "Evaluation of Compounds Designed to Increase the Resistance of Fabrics and Yarns to Insect Pests."

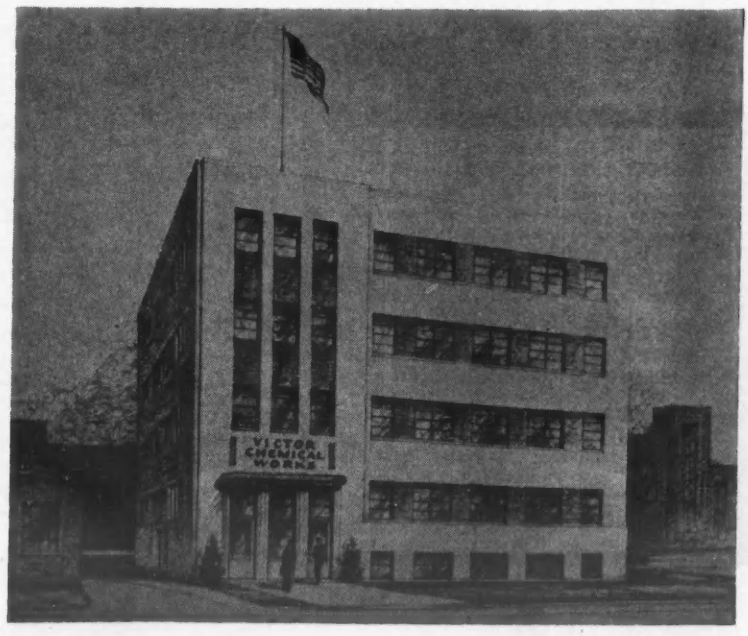
In this project the committee is collaborating with similar committees of the American Society for Testing Materials and the National Association of Insecticide and Disinfectant Manufacturers. Joint tests are being conducted by a number of cooperating laboratories under the direction of these three committees, and the results will be correlated into a more or less joint report. The two methods have been approved as tentative by the research committee of the American Association of Textile Chemists and Colorists, subject to any revisions that may be suggested by the outcome of the intersociety cooperative tests which are now in progress. In discussing the tests, a bulletin from the association said:—

The tentative methods as adopted specify the use of the black carpet beetle since they are hardier and therefore more suited for test purposes than the larvae of the webbing clothes moth. Experience based on materials available to date has shown that if a treated fabric resists attack by the larvae of the black carpet beetle, it will also resist the clothes moth. A standard control fabric has been selected and the number and size of the larvae specified as well as sample size. Equipment and test conditions adopted allow some latitude in order to make use of available apparatus. The evaluation of the damage to the specimens of fabrics or yarns is determined by visual examination, quantity of excrement deposited and the number of larvae remaining alive.

The "Tentative Method of Test for Evaluating Compounds Designed to Increase the Resistance of Fabrics and Yarns to Insect Pests" takes into consideration the treatment fabrics and yarns received under normal usage. Tests for resistance of the treating compound to removal by washing, dry cleaning, hot pressing, light, abrasion, sea water and perispiration are included in the method as well as a system for classifying the resistance to these various tests. Thus the degree of permanency of a compound used on fabrics as a moth repellent can be evaluated.

**John W. Geary, jr.,** a cotton merchant for the past eleven years, has joined the sales staff of the American Viscose Corporation, this city.

## Victor Chemical Erecting Chicago Plant Addition




**Work has been started on a four-story modern building at the plant of the Victor Chemical Works at Chicago Heights, Ill. Completion is scheduled for September. The company now has twenty-five buildings on its ten-acre site at Chicago Heights.**

**The new building, which will be 61 x 67 feet, will cost approximately $165,000 with equipment. It will have six new research laboratories, enlarged baking research laboratory, chief chemist's offices, engineering department, kitchen and dining room for employees. The company, with general offices in the Chicago Board of Trade Building, also maintains plants in Nashville and Mt. Pleasant, Tenn.**

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# Dyestuffs, Textile and Leather Chemicals

**Demand Fairly Steady — Egg Albumen Continues Advance —Powdered Quebracho and Myrobalan Extract Prices Up —Gambier Higher—Sago and Tapioca Flours Firmer**

Price changes continued upward in the market for dyestuffs and textile chemicals last week. Powdered quebracho and myrobalan extracts were higher because of increasing raw material costs. The differential between car lots and less car lots on quebracho was lowered, however. Materials such as gambier, sago and tapioca flour coming from the Far East continued to reflect higher replacement costs. Domestic egg albumen resumed its advance. Buying remained fairly steady in most divisions of the market.

The expansion of India's tanning and dyeing industries in 1940, and the stoppage of supplies from former sources diverted a considerable portion of the country's demand for potash and soda bichromates to American products and large quantities were imported from the United States in that year. The situation was changed recently by the imposition of import restrictions from the United States and non-Empire countries. This country did not become an important supplier of bichromates to India until the outbreak of the war, when Germany was eliminated from the market and British supplies were increasingly difficult to obtain. It remains to be seen whether production in India, plus imports from the United Kingdom, will suffice to meet the growing demand of Indian consumers for bichromates in 1941.

## Chemicals

**Alumina Acetate.**—Steady interest. Prices unchanged and firm.

**Alumina Chloride.**—Market position strong, and inquiries good.

**Ammonia Acetate.**—Business steady, with price tone firm.

**Ammonia Bichromate.**—Moderate quantities made up the call. Prices unchanged.

**Antimony Salts.**—Prices firm. Buying routine.

**Chrome Acetate.**—Market position firm, and buying well maintained.

**Potash Bichromate.**—Shipments moved steadily against contracts. Prices firm and unchanged.

**Potash Prussiate.**—Movement of yellow moderate, and prices firm.

**Soda Bichromate.**—Market firm, while business remained good.

**Soda Prussiate.**—Demand moderately active, and prices were firm.

**Sulphonated Oils.**—Withdrawals steady. A firm undertone characterized the trading.

**Zinc Dust.**—Selling confined to regular contract accounts as a rule. Price-wise a firm tone prevailed.

## Dyestuffs

**Annatto.**—Usual consumers made necessary purchases. Prices unchanged.

**Cochineal.**—Trading strictly routine. Quotations underwent no change.

**Fustic.**—Buying fairly steady from regular channels. Prices rule firm.

**Hypernic.**—Prices rule firm, while business was moderate.

**Indigo.**—Dealings narrow. The tone of the market remained firm.

**Logwood.**—Shipments moved steadily, and prices continued the same.

**Madder Dutch.**—Small lots provided the bulk of the business. Prices failed to change.

**Turmeric.**—Spot position of market tight, and offerings limited. prices remain nominal.

## Sizing Materials

**Albumen, Blood.**—Demand steady. Prices lacked change and tone was firm.

**Albumen, Egg.**—Domestic prices advanced 3c., making crystal 95c. to $1 per pound; powdered, $1 to $1.05 per pound. Offerings of imported negligible. Good inquiry.

**Corn Sugar.**—Prices unchanged and firm. Bookings steady.

**Dextrin, Corn.**—Shipments well sustained, and market position firm.

**Egg Yolk.**—Prices for domestic and imported held unchanged with tone firm. Buying moderate.

**Sago Flour.**—Prices advanced ¼c., ranging from 4¾c. to 5c. per pound. Market position tight, reflecting replacement difficulties.

**Starch, Corn.**—Prices firm at recently established levels. Commitments remain steady. Visible supplies of corn in week ended May 24 decreased 1,127,000 bushels.

**Starch, Potato.**—Prices held at the same levels. Transactions fairly steady.

**Starch, Rice.**—A satisfactory replacement demand prevailed. No change occurred in the prices.

**Starch, Wheat.**—Shipments moderately active. Prices failed to change.

**Tapioca Flour.**—Prices raised ¼c., ranging from 4½c. to 6c. per pound. Shipping difficulties continued to retard deliveries.

## Tanning Materials

**Chestnut Bark.**—Steady movement against contracts. Prices rule firm.

**Cutch.**—Dealings routine. Prices remain firm.

**Divi-Divi.**—No further price changes, while inquiries were moderate.

**Gambier.**—Common advanced ½c. at 9c. while Singapore cubes were up ½c. to basis of 10½c. Replacements remain uncertain.

**Hematine.**—Buying moderate. No change disclosed in the prices.

**Hemlock.**—Inquiries and shipments steady. Prices hold firm.

**Mangrove Bark.**—Quotations hold the same, while inquiries were moderate.

**Myrobalans.**—The powdered extract ½c. higher making car lots 8c. and less car lots 8½c. per pound.

**Oakbark.**—Withdrawals fairly steady, while prices underwent no change.

**Osage Orange.**—Usual consumers made moderate replacements. Prices without change.

**Quebracho.**—Powdered extract advanced 1c. for car lots at 8½c. per pound, while less car lots were up ½c. to basis of 9c. per pound, reducing differential ½c. Demand steady.

**Quercitron.**—Transactions routine Prices without alteration.

**Spruce.**—Steady interest. Prices unchanged and firm.

**Wattle Bark.**—Prices remain at previously established levels. Shipments moderately active.

### Price Changes

**Advanced**

Albumen, egg, dom., 3c. per lb.
Gambier, common, ½c. per lb.
Cubes, Singapore, ½c. per lb.
Myrobalans, ext., powd., ½c. per lb.
Quebracho, ext., powd., c.l., 1c. per lb.
l.c.l., ½c. per lb.
Sago flour, ¼c. per lb.
Tapioca flour, ¼c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 186.3 | 183.1 | 176.8 | 144.5 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7.**

**Association meetings:—**

***American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.***

## *N.Y. Textile Chemists Elect Tisdale Chairman*

*—Continued from page 5*

Rochelle Park, N. J. Other officers elected were:—

Vice-chairman, Patrick J. Kennedy, of E. I. du Pont de Nemours & Co.; treasurer, Edward R. Schmidt, of the Borne-Scrymser Company; secretary, N. A. Johnson, of the *American Dyestuff Reporter*. Councillors elected were:—Dr. J. E. Meili, of the Sandoz Chemical Works; Harold W. Stiegler, of the American Cyanamid Company; G. Moran, of the Calco chemical division of the American Cyanamid Company, and J. R. Bonner, of the General Dyestuff Corporation.

P. J. Kennedy

The guest speaker at the meeting was J. O. Amstuz, of the Behr Mining Corporation, Troy, N. Y., who discussed "Electrocating Fabrics." Two types of textle products, Mr. Amstuz said, are being manufactured by the new process; women's dress goods with a pile design and an 'all-over' covered pile product used in upholstery. Various fibers, he explained, may be used, including cotton and rayon.

In considering the normal ironing operations, Mr. Amstuz said that certain synthetic resins have been found to be the most desirable bases for adhesive compositions. A specially compounded latex adhesive has been used, he said. However, he added, a synthetic rubber, such as 'neopreme,' may be substituted. Where a flexible, rubber adhesive is not required, Mr. Amstuz concluded, other types of adhesives, such as varnishes and lacquers, have been employed.

The annual outing and golf tournament will be held at the North Jersey Country Club, June 20. Max Kaesche, of the Sandoz Chemical Works, is chairman of arrangements for the outing. Facilities for tennis and horseshoe pitching will also be available.

### DuPont Co. Offers New Dyestuffs

Three new dyestuffs have been added to the range of colors offered by the dyestuffs division of E. I. du Pont de Nemours & Co., Wilmington. All are applicable to the textile field, one, 'Pontachrome' fast yellow R conc., being of particular interest as a shading color for the production of olive drab shades, khaki, tan and brown shades on wool. 'Polyform' Bordeaux RF is a formaldehyde after-treated direct color of special interest as a ground shade for colored discharge work both on viscose process rayon and cotton. 'Pontamine' black BCN is a direct color, equal in strength but slightly brighter in shade, and stains acetate rayon somewhat less than the older product, 'Seristan' black B. 'Pontachrome' fast yellow R conc. is the latest addition to the range of Du Pont chrome colors.

### Textile Technologists to Meet

The American Association of Textile Technologists will hold a meeting in 2 Park avenue, this city, June 4. The speaker will be Dr. H. Mark, of Brooklyn Polytechnic Institute. He will discuss "Fine Structure and Properties of Cellulose Fibers."

**A. E. Staley** Manufacturing Company, Chicago, has called for redemption July 1, 1941, at $110 a share, 4,000 shares of its 7 percent preferred stock, out of a total of 10,860 shares now outstanding.

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**X** In these days of exiguous supply of heretofore necessary materials, there is a bigger-than-ever need in all kinds of enterprises for special, expert advice and assistance for the finding of materials which will carry a process or a formula from the heretofore to the new. Perhaps the finding of another process or formula is called for. That sort of thing—finding this-day materials, processes, or formulas—is what the scientific and professional services adjacently offered are to be consulted for.


## N.P.V.L.A. Convention Reservations Swelling

The National Paint, Varnish and Lacquer Association has been notified by the Drake hotel, which is to be its headquarters for its annual convention in Chicago, October 29-31, has been fully booked.

Ernest T. Trigg, president of the association, has announced that arrangements have been completed for the use of the Knickerbocker hotel, which is located just across the street from the Drake hotel, to be used as an auxiliary hotel. Reservation by those who have not already done so, Mr. Trigg informs, should be sent direct to the Knickerbocker, whose room rates are $3.50 and up single, $6 and up double. $12 and up for suites.

## Talc Sales Set High Record in 1940

Sales of talc, prophyllite, and ground soapstone amounted to 281,375 short tons valued at $3,008,320, an increase of 11 percent over 1939. Imports of crude and unground steatite and French chalk amounted to 93 short tons, compared with 133 tons in 1939. Imports of washed or unpulverized totaled 28,145, against 25,943 tons in 1939. Exports of talc, steatite, and soapstone, totaled 9,402 tons in 1940, compared with 9,047 tons in 1939. The following table gives the amount of talc, prophyllite, and ground soapstone sold by producers in the United States:—

| Use. | Short tons 1940. | 1939. |
|---|---|---|
| Paint | 67,875 | 67,859 |
| Ceramics | 48,661 | 38,407 |
| Roofing | 34,347 | 30,516 |
| Paper | 31,657 | 30,177 |
| Rubber | 28,501 | 31,078 |
| Toilet preparations | 8,818 | 9,672 |
| Foundry facings | 5,532 | 3,986 |
| Other uses* | 31,331 | 12,918 |
| Use not reported | 24,653 | 29,363 |
| Totals | †281,375 | 253,976 |

* Includes crayons, bleaching, insecticides, plaster, textile, and other minor uses.
† Includes a small quantity of pinite.

## China Clay Sales Hit New Peak in 1940

Continuing their almost-uninterrupted uptrend since 1921 sales of kaolin or china clay by domestic mines rose in 1940 to another new record of approximately 825,000 short tons valued at $6,844,000 compared with 780,804 tons worth $6,200,606 in 1939, according to the Bureau of Mines. Imports, virtually all from the heavily bombed channel ports of southwest England, declined only moderately to 105,566 tons having a nominal value of $870,421 compared with 114,696 tons valued at $1,015,813 in 1939.

Of the total quantities sold or used, the paper industry consumed almost 60 percent, 11 percent was used in rubber, another 11 percent went to pottery and tile manufacturers, 8 percent for refractories, nearly 5 percent in cement, and the remaining 5 percent was distributed among a variety of uses of which paints, linoleum and oil cloth, alum, and miscellaneous filler applications were of chief importance in the order named.

## *Trade Briefs*

**Philadelphia Paint,** Varnish and Lacquer Association held its annual "ladies night" party May 14.

**Cal-Western** Manufacturers has moved to 1512 Hillhurst avenue, Los Angeles, for additional manufacturing space for "Whee" household liquid cleaners, furniture polish, and will add production of floor and furniture wax.

**Edward H. Robbins** has been elected vice-president in charge of sales for the Arabol Manufacturing Company, makers of adhesives.

**Samuel Cabot,** president of Samuel Cabot, Inc., carbon black manufacturer, Boston, has been named to the directorate of Pacific Mills.

**American Zinc, Lead & Smelting** Company's Monsanto, Ill., plant has been put into production at a rate expected to reach fifty tons of slab zinc daily. The plant was acquired last Fall and remodeled at a cost of approximately $1,000,000.

**Sydney C. Murray** won the kickers' handicap in the first golf tournament of the Buffalo Paint, Varnish and Lacquer Association of the 1941 season at the Meadowbrook Country Club. Roy Lindsay won the selected nine holes prize.

**Resin-emulsion** paste paint in light tints and white for interior use is defined in a new Federal specification (TT-P-88) which will become effective August 1. Copies of this specification may be procured from the Superintendent of Documents, Government Printing office, Washington, at 5 cents each.

# Paint, Varnish, Lacquer Materials

**Spot Ester Gum Prices Are Advanced by Leading Suppliers —Chemically Pure Diatomaceous Earth Higher—Argentine Casein Quotations Hiked — Naval Stores Firm**

Prominent producers of ester gum last week advanced spot prices. The increases were due to higher quotations on glycerin and a rise in manufacturing costs. Contract customers in most cases will be sold on the old basis until the end of this month when revisions undoubtedly will be made. Another advance in the week was on domestic chemically pure diatomaceous earth. Importers of that material, unable to obtain the Algerian product, were offering Mexican type, small lots of which are being shipped here.

Casein continued to show strength as stocks dwindled. There were no changes made in the domestic product but the Argentine material was quoted higher. Glues remained very scarce and prices on the hide and bone glue materials were advanced. Stearates were strong with offerings restricted. Pigments and dry colors were moving actively, buoyed by heavy ordering. Varnish gum demand was normal. Rosin and turpentine were generally firm in Southern and local markets, with business here on a fair scale. Primary receipts showed an increase.

## Metallic Lead and Zinc

There was no slackening last week in the large volume of inquiries for pig lead. The zinc pool, out of which the Priorities Division allocates to meet emergency needs, will be raised in June to 22 percent of April production. This 22 percent pool will approximate 15,000 tons.

**Lead.**—Prevailing spot prices at New York, St. Louis and London for the period from May 24 to May 30, inclusive, were as follows:—

| | Pigs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0585@.0590 | $0.0570 | .. .. .. |
| Monday | .0585@.0590 | .0570 | .. .. .. |
| Tuesday | .0585@.0590 | .0570 | .. .. .. |
| Wedn'sd'y | .0585@.0590 | .0570 | .. .. .. |
| Thursday | .0585@.0590 | .0570 | .. .. .. |
| Friday | ....@....† | .... | .. .. .. |

* London exchange closed.
† Holiday.

**Zinc.**—Prevailing spot prices at New York, East St. Louis and London for the period from May 24 to May 30, inclusive, were as follows:—

| | Slabs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0765 | $0.0725 | .. .. .. |
| Monday | .0765 | .0725 | .. .. .. |
| Tuesday | .0765 | .0725 | .. .. .. |
| Wednesday | .0765 | .0725 | .. .. .. |
| Thursday | .0765 | .0725 | .. .. .. |
| Friday | ....† | .... | .. .. .. |

* London exchange closed.
† Holiday.

### Price Changes

**Advanced**

Casein, imp. Argentine, 1c. per lb.
Diatomaceous earth, dom., chemically pure, c.l., 1c. per lb.
Glue, bone, calcimine type, 2c. per lb.
hide, calcimine type, 1c. per lb.
Gum, ester, spot, ½c. per lb.
Rosin, gum, 2c. to 5c. per 100 lbs.
Turpentine, gum, ¾c. per gal.

**Reduced**

None

### Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 128.0 | 128.0 | 128.0 | 126.2 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Pigments

**Antimony White.**—Movement good. Price steady.

**Flake White.**—Demand well maintained. New business fair. Price firm.

**Litharge.** — Continued good movement. Prices unchanged.

**Lithopone.**—Better than normal demand. Offerings fewer. Prices unchanged.

**Metronite Pigment.**—Movement fairly large. Price steady.

**Orange Mineral.**—Contract call remained brisk. New business fair. Price steady.

**Red Lead.**—Tone stable. Deliveries

## *Paint, Varnish, Lacquer Sales: April*

The value of paint, varnish, lacquer and fillers sold in April as reported by 680 establishments to the Bureau of Census, was $51,963,528. Details of sales reported by these establishments and comparative data for 1940 follow:—

| | Total sales reported by 680 establishments. | Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer. | Industrial sales: Total. | Industrial sales: Paint and varnish. | Industrial sales: Lacquer. | Unclassified sales reported by 100 establishments. |
|---|---|---|---|---|---|---|
| 1941. | | | | | | |
| January | $34,604,629 | $16,314,158 | $15,092,044 | $10,777,855 | $4,314,189 | $3,198,427 |
| February | 33,690,870 | 15,767,081 | 14,973,684 | 10,385,374 | 4,588,310 | 2,950,105 |
| March | 40,185,294 | 19,565,515 | 17,033,354 | 12,124,491 | 4,908,863 | 3,586,425 |
| April | 51,963,528 | 27,972,286 | 19,266,308 | 13,858,056 | 5,408,252 | 4,724,934 |
| Totals (4 Mo.) | $160,444,321 | $79,619,040 | $66,365,390 | $47,145,776 | $19,219,614 | $14,459,891 |
| 1940. | | | | | | |
| January | $28,666,635 | 13,549,867 | 12,317,340 | 8,369,445 | 3,947,895 | 2,799,428 |
| February | 26,537,573 | 13,042,764 | 11,146,277 | 7,584,649 | 3,561,628 | 2,348,532 |
| March | 31,392,068 | 16,144,606 | 12,639,821 | 8,681,802 | 3,958,019 | 2,807,666 |
| April | 37,656,398 | 20,188,957 | 13,849,723 | 9,851,848 | 3,997,875 | 3,617,718 |
| Totals (4 Mo.) | $124,452,699 | $62,926,194 | $49,953,161 | $34,487,744 | $15,465,417 | $11,573,344 |
| May | $43,463,222 | $24,943,448 | $14,150,310 | $10,146,311 | $4,003,999 | $4,369,464 |
| June | 37,897,861 | 21,718,413 | 12,582,231 | 9,052,581 | 3,529,650 | 3,597,217 |
| July | 35,553,580 | 19,573,840 | 12,732,233 | 9,611,083 | 3,121,150 | 3,247,507 |
| August | 36,441,511 | 19,302,935 | 13,651,210 | 9,703,492 | 3,947,718 | 3,487,366 |
| September | 35,327,356 | 18,416,711 | 13,458,969 | 9,237,834 | 4,221,135 | 3,451,676 |
| October | 39,179,174 | 19,638,441 | 15,953,121 | 10,759,348 | 5,193,773 | 3,587,612 |
| November | 31,892,256 | 15,115,083 | 14,048,944 | 9,578,739 | 4,470,205 | 2,728,229 |
| December | 28,308,153 | 12,520,208 | 13,434,963 | 9,141,234 | 4,293,729 | 2,352,987 |
| Totals (year) | $412,515,812 | $214,155,268 | $159,965,142 | $111,718,366 | $48,246,776 | $38,395,402 |

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

*Fed. Production Clubs, Oct. 27-28, Chicago.*
*Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.*


**HOOT MON! PARANOL 25**

**FOR A MON WI' AN EYE TO LOW COST PRODUCTION**

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

*Our Technical Staff is at Your Service*

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

UNMATCHED in light fastness by any other known spirit soluble yellow, Calcofast Spirit Yellow 2R is one of several Calcofast colors developed specifically for staining aluminum foil and foil coated paper. It is an ideal basis for fast to light golds in Nitro-Cellulose-Lacquers that tolerate large additions of alcohol. Like its companion Calcofast colors, it also gives splendid results in specialty wood stains and furniture lacquers, and in non-grain-raising stains.

**Other Calcofast Spirit Colors include:**

**Calcofast Spirit Orange R**
**Calcofast Spirit Brown G**
**Calcofast Spirit Black R**
**Calcofast Spirit Yellow G**
**Calcofast Spirit Red B**

*Write today, stating your requirements, and working samples to meet your needs will be sent without charge.*

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook Calco New Jersey
Boston • Philadelphia • Providence • New York • Charlotte • Chicago

large. Ordering brisk. Prices firm and unrevised.

**Titanium Pigments.** — Consumers continued to order heavily. Prices firm.

**White Lead.**—Movement of both dry and in-oil materials good. Inquiries off slightly. Prices steady and unrevised.

**Zinc Oxides.** — Movement broad. Contract deliveries heavy. Inquiries well maintained. Prices firm and unchanged.

**Zinc Sulphides.**—Better than normal demand continued. Prices steady.

CHROME OXIDE
CHROME
TETRA HYDROXIDE
CHROME GREENS
•
VITRO MFG. CO.
Pittsburgh, Pa.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

## Fillers and Extenders

**Asbestos.** — Normal trade. Prices firm and unchanged.

**Asphaltum.** — Continued satisfactory business. Prices unchanged.

**Barytes.**—Better than normal trade remained. Contract ordering well maintained. New business good. Prices steady.

**Bentonite.**—Satisfactory call. Price firm.

**Blanc. Fixe.**—All grades moving well. Prices steady.

**China Clay.**—Market normal. Prices firm.

**Charcoal.** — Less buying interest. Prices unchanged.

**Diatomaceous Earth.** — Car lot price on bagged chemically pure material advanced 1c. per pound to 7c. f.o.b. Atlantic seaboard. Other grades very firm but unchanged. No Algerian material available. Some Mexican stuff offered at 2c. to 3c. per pound for car lots and 4c. to 6c. per pound for smaller amounts.

**Fullers Earth.** — Narrower movement. Business still fair. Inquiries off. Price steady.

**Graphite.**—Offerings smaller. Prices steady.

**Gypsum.**—Routine demand. Shipments normal. Prices firm.

**Marble Flour.**—Market normal. Tone stable.

**Mica.**—Conditions unaltered. Demand routine. Price steady.

**Rottenstone.** — Normal deliveries. Price firm.

**Talc.**—Good call. Prices firm.

**Whiting.**—Movement continued to broaden somewhat. Tapering off toward end of week. Prices firm.

**Woodflour.**—Good demand for domestic material. Imported not offered.

## Naval Stores

The undertone of Southern and local markets for rosin and turpentine was firm in the main last week though there was some irregularity at times. On Tuesday sales of turpentine were reported at from 38c. to 39c. per gallon which compared with 38⅜c. on the previous day and with 38¼c. at the close of the previous week. Changes in quotations on most grades of rosin were narrow. Weather conditions over parts of the South were more favorable for production and marketing operations and receipts showed some increase, but the movement was still below normal for this period of the year. The government remained out of the market as a seller of turpentine but continued to supply dealers with rosin. New business here and in the South was on a fair scale. The movement of rosin to consumers on contracts was reported as liberal. There were reports of inquiries from Far Eastern buyers.

**Turpentine.**—Purchasing in the local market was generally limited to comparatively small lots, consumers being disinclined to anticipate. The market had a firm undertone.

SAVANNAH, May 29.—Following is a record of the turpentine market for the week:—

| | Gallons | | Barrels | | |
|---|---|---|---|---|---|
| | Cents. | Sales. | Receipts. | Shipments. | On hand. |
| Saturday* | .. | ... | ... | ... | ... |
| Monday | 38⅝ | 9,400 | 19 | 103 | 7,426 |
| Tuesday | 38-39 | 26,800 | 445 | ... | 7,871 |
| Wednesday | 38¼ | 8,850 | 293 | 137 | 8,027 |
| Thursday | 39 | 5,950 | 168 | ... | 8,195 |

* No trading.

JACKSONVILLE, May 28.—Turpentine stocks, 9,689 barrels.

PENSACOLA, May 24 .- Turpentine stock, 9,061 barrels.

**Chicago—May 29**

Turpentine fairly active. Five-drum lots, 48c. per gallon; five wood barrels, 53c.; single drums, 51c.; single barrels, 56c.

**Rosin.**—Changes in local rosin quotations were narrow in company with developments in the South. Business here was apparently limited to small or moderate lots, the movement of such quantities being fair.

SAVANNAH, May 29.—Following is a record of the rosin market for the week:—

| | Price per unit—Low of range quoted | | | | |
|---|---|---|---|---|---|
| | *Sat. | Mon. | Tues. | Wed. | Thurs. | Fri. |
| B | ... | $1.60 | $1.60 | $1.62 | $1.64 | ... |
| D | ... | 1.82 | 1.84 | 1.84 | 1.84 | ... |
| E | ... | 1.86 | 1.88 | 1.89 | 1.90 | ... |
| F | ... | 1.87 | 1.88 | 1.89 | 1.91 | ... |
| G | ... | 1.87 | 1.88 | 1.89 | 1.90 | ... |
| H | ... | 1.87 | 1.88 | 1.89 | 1.90 | ... |
| I | ... | 1.87 | 1.88 | 1.89 | 1.90 | ... |
| K | ... | 1.89 | 1.90 | 1.91 | 1.92 | ... |
| M | ... | 1.92 | 1.93 | 1.94 | 1.94 | ... |
| N | ... | 2.03 | 2.04 | 2.04 | 2.06 | ... |
| WG | ... | 2.23 | 2.23 | 2.23 | 2.24 | ... |
| WW | ... | 2.52 | 2.50 | 2.50 | 2.50 | ... |
| X | ... | 2.55 | 2.55 | 2.55 | 2.55 | ... |
| | Barrels | | | | |
| Sales | ... | 186 | 495 | 508 | 617 | ... |
| Receipts | ... | 636 | 1,663 | 735 | 209 | ... |
| Shipments | ... | 1,493 | 2,343 | 341 | ... | ... |
| Stocks | ... | ... | ... | ... | ... | 145,111 |

* No trading.

JACKSONVILLE, May 28. — Rosin stocks, 309,835 barrels.

PENSACOLA, May 24.—Rosin stocks, 37,374 barrels.

**Chicago—May 29**

Rosin trade fair. Five drum lots were:—B grade, $2.65 per 100 pounds net; G grade, $3.19; M grade, $3.20; W.W. grade, $4.03.

## Other Naval Stores

**Pine Oil.**—Demand fairly active. Quotations maintained. Tone firm.

**Pitch.**—Purchasing limited to moderate lots. Market firm.

**Rosin Oil.**—Quotations held at former levels. Tone steady. Business fair.

**Tar.**—Demand showed improvement. Market firm.

## Dry Colors

**Alkali Blue Toner.** — Fair demand. Price steady.

**Bone Blacks.**—Good buying. Prices unchanged.

**Carbon Blacks.** — Heavy movement. Tone stable.

**Carmine No. 40.**—Consumers ordering well. Prices steady.

**Chrome Colors.** — Buying satisfactory. Prices firm.

**Fire Red Toner.**—Little of new interest. Market normal. Prices firm and unchanged.

**Hansa Yellow.**—Very tight. Demand good. Offerings restricted. Resellers offering at about 5c. per pound above list.

**Iron Blues.** — Strong call. Prices firm.

**Iron Oxides.**—Good demand. Price steady. Imports of iron oxide and hydroxide during the first quarter of 1941 amounted to 2,727,000 pounds valued at $90,000.

**Lamp Blacks.** — Firm and in good demand.

**Lacquer Maroon.**—Fair call. Price steady.

**Mercuric Oxides.** — Normal movement. No prices changed.

**Ochers.**—Good call. Prices steady.

**Sap Brown.** — Satisfactory demand. Offerings normal. Price firm.

**Sienna.** — Normal business reported. Shipments at good level. Prices stable and unaltered.

**Toluidine Red Toner.** — Good demand. Offerings restricted. Supplies tight. Resale material available at 2c. to 3c. per pound above list.

**Umbers.**—No changes. Demand fair.

**Ultramarine Blues.**—Fair call. Prices steady.

**Vandyke Brown.**—Satisfactory movement. Price firm.

**Vermilion.**—Quicksilver material in fair call. Price steady.

## Lacquer Materials

An active demand continued in the market for lacquer materials and solvents last week. Inquiries exceeded supplies in a number of products, and sellers were forced to continue the policy of allocating available supplies to the regular contract consumer. Prices held the same, while tone was very firm. Acetone position lacked little improvement, with selling usually limited. Butyl acetate, normal and secondary, retained a strong position. Diamyl and dibutyl phthalate were well sold ahead, and spot offerings negligible. Supplies of ethyleneglycol were limited. Available quantities of isopropyl acetate and methyl acetate were well absorbed. A firm tone prevailed in triacetin, tricresyl and triphenyl phosphate.

**Acetone.** — Buying steady, selling limited to regular contracts as a rule. Prices continued firm.

**Alcohol, Butyl.** — Market position strong, with contract commitments sufficient to absorb available supplies. Prices underwent no change.

**Butyl Acetate.**—Movement of normal and secondary good. Market position firm, with prices unaltered.

**Cellulose Acetate.** — Shipments moderately active. No change occurred in the prices.

**Diamyl Phthalate.** — Sellers booked ahead against contracts. Spot offerings negligible. Prices firm.

**Dibutyl Phthalate.** — Market position strong, with regular consumers making a steady appearance. Prices rule firm.

**Ethyl Acetate.**—Inquiries exceeded available supplies, and selling limited to regular accounts as a rule. Price-wise a firm tone predominated.

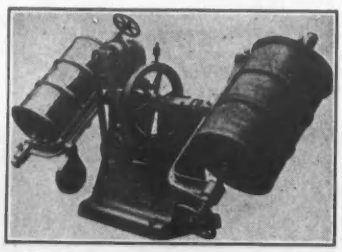
**Ethyleneglycol.** — Offerings limited. Prices unchanged and firm.

**Isopropyl Acetate.** — Demand sufficient to absorb available supplies. Spot offerings small. Prices failed to change, but tone was firm.

**Methyl Acetate.** — Firmness characterized the trading, while business was usually confined to regular accounts.

PARSONS
PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 Beekman Street, New York City

REFINED SULPHATE WOOD TURPENTINE
REFINED SULPHATE PINE OIL
CRUDE TALL OIL
Manufactured under rigidly controlled process by
CHEMICAL DIVISION
CHESAPEAKE-CAMP CORP., Franklin, Va.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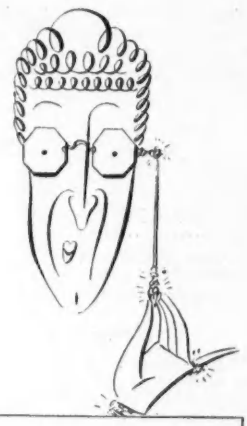
DRUM TUMBLER
Rotates and Tumbles at Same Time
RUGGED-SIMPLE-EFFICIENT
Write for circular and prices
The Vol-U-Meter Co.
59 Terrace Buffalo, N. Y.


Highly Refined
CROSBY STEAM DISTILLED
Dipentene
Mild, pleasant odor of Crosby Dipentene shows its high refinement. Narrow distillation range shows it's closely fractionated. Crosby Dipentene is manufactured under the same rigid technical control that has given Crosby products national recognition. You get Crosby Dipentene FRESH! It is run into new galvanized drums immediately after distillation.
Call on CROSBY for quality
Crosby Naval Stores, Inc.
Picayune, Mississippi

**Triacetin.**—Brisk inquiry, with market in firm position.

**Tricresyl Phosphate.**—A good demand remained in evidence. Sellers pressed to take care of all inquiries. Prices unchanged and firm.

**Triphenyl Phosphate.** — Business steady from regular consumers. Prices underwent no change, while tone held firm.

## Shellac

Shellac proved a steady commodity so far as prices were concerned last week. Deliveries were being taken up with a fair degree of promptness when tenders were made. Prices at the source remained steady to firm and seemed reasonably stable. Transport cost to spot held high because of freight rates on charter steamers.

## Driers

**Palmitates.**—In good demand. Prices firm.

**Stearates.**—No actual changes. Producers discouraging sales due to strength in price of stearic acid. Resellers offering at about 3c. per pound higher than list.

## Synthetic Resins

**Ester Gum.**—Prominent producers advanced spot price ½c. per pound to 6½c. for car lots delivered to New York. Prices for delivery of smaller amounts and for delivery to other areas likewise were advanced ½c. Quotations of some other producers were very strong but had not yet been changed.

**Chlorinated Rubber.**—Fair demand remained, with shipments routine. Prices steady and unrevised.

## Varnish Gums

**Copals.**—Good demand. Stocks ample. Prices steady.

**Dammars.**—Market normal. Offerings routine. Prices firm.

**Elemi.** — In good demand. Tone stable.

## Glues and Binders

**Casein.**—Argentine material 1c. per pound higher at 20c. for car lots of the 20-30 mesh and 20½c. for the 80-100. Domestic types unchanged but strong. Stocks low. Offerings restricted. Resellers offering at about 2c. per pound over list prices.

**Glues.**—Prices advanced sharply. Bone glues up 2c. per pound to range of 16c. to 18c. Hide glues up 1c. per pound to range of 18c. to 29c. Quotations nominal. Very scarce. Resales at 3c. to 4c. above list.

**"Rufe" Burnham,** an advertising authority on paints, varnishes and accessories, has become associated with the New York advertising agency of Lee-Stockman, Inc.

## Naval Stores Output Dropped in 1941-40

Production of gum and wood turpentine in the United States in the 1941-40 season totaled 566,341 barrels of 50 gallons each, compared with 604,778 barrels in 1940-39, according to the Department of Agriculture. Production of gum and wood rosin amounted to 2,146,865 in the 1940-39 season, compared with 2,293,971 barrels in the 1939-38 season. Among the statistical tabulations contained in the naval stores report, which covers the two seasons ended March 31, 1941, and 1940, are the following:—

### Supply and Distribution

| | Turpentine. Bbls. of 50 gals. | | Rosin. Bbls. of 500 lbs. gross. | |
|---|---|---|---|---|
| | 1941-40. | 1940-39. | 1941-40. | 1940-39. |
| Carryover, April 1 | 220,267 | 314,323 | 1,569,396 | 1,621,970 |
| Production | 566,341 | 604,778 | 2,146,865 | 2,293,971 |
| Imports | 16,888 | 16,492 | ..... | 2,398 |
| Available supply | 803,496 | 935,593 | 3,716,261 | 3,918,339 |
| Less carryover March 31 | 209,910 | 220,267 | 1,874,160 | 1,569,396 |
| Apparent total consumption | 593,586 | 211,552 | 1,842,101 | 2,348,943 |
| Less exports | 130,855 | 238,438 | 535,128 | 975,880 |
| Apparent U. S. consumption | 462,731 | 476,888 | 1,306,973 | 1,373,063 |

### Production and Imports

| | Turpentine. Bbls. of 50 gals. | | Rosin. Bbls. of 500 lbs. gross. | |
|---|---|---|---|---|
| | 1941-40. | 1940-39. | 1941-40. | 1940-39. |
| Gum | 343,938 | 382,781 | 1,173,639 | 1,317,795 |
| Wood | 222,403 | 221,997 | 973,226 | 976,176 |
| Imports | 16,888 | 16,492 | ..... | 2,398 |

### Carryover Stocks

| | Turpentine. Bbls. of 50 gals. | | Rosin. Bbls. of 500 lbs. gross. | |
|---|---|---|---|---|
| | 1941-40. | 1940-39. | 1941-40. | 1940-39. |
| Carryover, April 1 | 220,267 | 314,323 | 1,569,396 | 1,621,970 |
| Carryover, March 31 | 209,910 | 220,267 | 1,874,160 | 1,559,396 |
| Stock increase | ..... | ..... | 304,764 | ..... |
| Stock decrease | 10,357 | 94,056 | ..... | 52,574 |

### Location of Carryover Stocks

| | Turpentine. Bbls. of 50 gals. | | Rosin. Bbls. of 500 lbs. gross. | |
|---|---|---|---|---|
| | March. 1941. | March. 1940. | March. 1941. | March. 1940. |
| Gum stills | 16,127 | 7,778 | 76,154 | 32,283 |
| Southern ports and interior yards | 98,167 | 126,295 | 1,394,114 | 1,194,453 |
| Wood plants | 39,821 | 29,122 | 101,485 | 93,024 |
| East-Coast West distributing points | 41,147 | 40,733 | 52,800 | 16,211 |
| Industrial plants | 14,648 | 16,335 | 249,607 | 229,425 |
| Totals in United States | 209,910 | 220,267 | 1,874,160 | 1,569,396 |

### Consumption by Industries

(Combined gum and wood products)

| | Turpentine. Bbls. of 50 gals. | | Rosin. Bbls. of 500 lbs. gross. | |
|---|---|---|---|---|
| | 1941-40. | 1940-39. | 1941-40. | 1940-39. |
| Abattoirs | ..... | ..... | 957 | 1,291 |
| Adhesives and plastics | 365 | 716 | 16,793 | 17,968 |
| Asphaltic products | ..... | 1 | 8,734 | 1,076 |
| Automobiles and wagons | 280 | 374 | 503 | 346 |
| Chemicals and pharmaceuticals | 40,413 | 36,026 | 116,007 | 163,583 |
| Ester gum and synthetic resins | ..... | ..... | 127,230 | 127,036 |
| Foundries and foundry supplies | 847 | 659 | 16,740 | 10,852 |
| Furniture | 495 | 526 | 15 | 10 |
| Insecticides and disinfectans | 486 | 354 | 3,678 | 5,125 |
| Linoleum and floor covering | 78 | 147 | 39,272 | 37,259 |
| Matches | ..... | ..... | 2,736 | 3,384 |
| Oils and greases | 84 | 24 | 30,108 | 31,076 |
| Paint, varnish and lacquer | 51,437 | 53,730 | 157,798 | 157,519 |
| Paper and paper size | ..... | ..... | 327,938 | 355,622 |
| Printing ink | 230 | 179 | 15,302 | 13,381 |
| Railroads and shipyards | 6,107 | 5,071 | 2,723 | 1,072 |
| Rubber | 230 | 149 | 6,553 | 4,903 |
| Shoe polish and shoe materials | 12,453 | 12,505 | 8,563 | 9,228 |
| Soap | ..... | ..... | 191,266 | 235,014 |
| Other industries | 1,021 | 801 | 5,615 | 4,363 |
| Totals | 114,534 | 111,262 | 1,078,731 | 1,180,108 |
| *Not accounted for | 348,197 | 365,626 | 228,242 | 192,955 |

* Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers and of rosin for unreported industrial consumption; also for distribution through retailers who sell in small quantities to ultimate consumers.

RED YELLOW **IRON OXIDES** BROWN BLACK
C. J. OSBORN CO., 132 Nassau Street, New York
Established 1889

**STEARATES**
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
*Stocks at*
● NEW YORK ● CHICAGO ● ST. LOUIS ● KANSAS CITY ● DALLAS ● LOS ANGELES ● SAN FRANCISCO ● SEATTLE
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SYNTHETIC OILS and HARD GUMS for the varnish manufacturer
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ALKYDOL RESIN SOLUTIONS for the Paint and Enamel Formulator
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Many specialties for the Printing Ink, Adhesives and Plastic Industries
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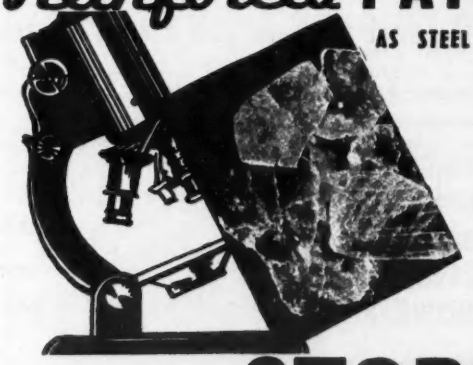
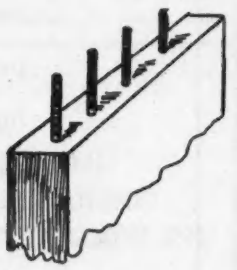
**WATERGROUND MICA**
*Reinforces* **PAINT FILM**
AS STEEL REINFORCES CONCRETE





**STOPS**
**CHECKING and CRACKING**
The strong skeleton of Mica flakes in the film takes up the strains from heat and cold in much the same way as reinforcing iron in concrete. The colorless, invisible Mica flakes have a tendency to lie parallel with the surface . . . in a laminated distribution . . . providing more flexibility.
**MILD CHALKING WITH AGE MAKES REPAINTING EASY**
**WET GROUND MICA ASSOCIATION, Inc.**
420 LEXINGTON AVENUE NEW YORK, N. Y.

## Cleve. Paint Technicians Elect Hosken President

At the May meeting of the Cleveland Paint and Varnish Production Club the following were elected:—President, Charles R. Hosken, of the Arco Company; vice-president, Ralph Elmer, of the Columbus Varnish Company; secretary, John C. Weaver, of the Sherwin-Williams Company; and treasurer, A. Battermann. Eleven former presidents of the club, two of whom were also former presidents of the federation, were among the seventy-two members and guests attending the meeting.

Ralph Urich, of Reichold Chemicals, Inc., spoke on zinc yellows and composite pigments and their use in Army and Navy specification paints. Mr. Urich discussed the development of these pigments and explained why, when using them in specification paints, it is necessary to determine the proper procedure of manufacture and then to maintain it in production, to assure the proper body, color and luster.

The club will hold a golf tournament at the Columbia Hills Golf Club on June 21.

## Varnish Gums Delivery From Far East Assured

*OPD Washington Bureau*
*May 26, 1941*

Cooperation of the Netherland Legation and the Maritime Commission has resulted in the assembling of merchant shipping bottoms to make possible movement of 5,000 tons of varnish gums which had accummulated at Far Eastern ports, the Office of Production Management reported today. The shipment would avert a threatened American shortage of these materials.

## Pumice Corp. Formed to Work Deposit in New Mexico

The Pumice Corporation of America has been formed by Whittaker, Clark & Daniels, manufacturer of minerals, colors and pigments, this city, and the McAleer Manufacturing Company, makers of household polishes, Detroit.

The new company was formed when the two firms purchased a pumice mill at Grants, N. M., from the Barnsdall Oil Company, through its subsidiary, the Barnsdall Tripoli Company. They also leased from the Barnsdall company a large pumice deposit eight miles from Grants, which will supply the mill with raw material.

Clarence E. Clark, a vice-president of Whittaker, Clark & Daniels, and son of the head of that concern, will be president of the new firm. Other officers will be:—vice-president, N. Bradley Higbie, of Detroit; vice-president and general manager, John N. Eberts, of Grants; treasurer, Carlton M. Higbie, of Detroit, and secretary, Harold G. Robinson, a vice-president of Whittaker, Clark & Daniels.

## Tyne Joins Glidden Co.

Edmund V. Tyne, formerly midwest sales manager for the Irvington Varnish & Insulator Company, has entered the Glidden Company in the capacity of assistant in the executive offices, Union Commerce building, Cleveland. He will be attached to the pigments, metals, and soya divisions, working under P. E. Sprague, vice-president in charge of sales for these products.

## Plastic, Coldwater Paint, Calcimine Sales Mixed

Sales of plastic and coldwater paints and calcimines reported by sixty manufacturers to the Bureau of Census for April, 1941, were as follows:—

**Plastic Paints**

| | Pounds. | Value. |
|---|---|---|
| Paste | 136,094 | $16,191 |
| Dry, casein bound | 438,315 | 28,972 |
| glue bound | 193,655 | 9,824 |
| Totals | 768,064 | $54,987 |

**Coldwater Paints**

| | | |
|---|---|---|
| Exterior lime or cement-bound | 1,629,597 | $100,936 |
| casein-bound | 414,563 | 22,850 |
| Interior, casein-bound, paste or semi-paste form | *469,755 | 483,256 |
| dry-powder form | 1,952,347 | 138,018 |
| glue-bound | 329,462 | 8,653 |
| Totals | ..... | $753,702 |

* Gallons.

**Calcimines**

| | | |
|---|---|---|
| Hot-water | 5,135,605 | $194,988 |
| Cold-water | 3,517,002 | 147,131 |
| Totals | 8,652,607 | $342,119 |

Sales of these products for April, compared with the corresponding period of 1940, were as follows:—

| | | 1941. | 1940. |
|---|---|---|---|
| Plastic paints | lbs. | 768,064 | 768,498 |
| | value. | $54,987 | $54,469 |
| Cold-water paints | value. | $753,702 | $616,186 |
| Calcimines | lbs. | 8,652,607 | 6,548,915 |
| | value. | $342,119 | $271,883 |

## Shellac Importers' Golf Tournament Won by Malik

Golf, tennis, and dining were the outstanding features of the annual outing of the United States Shellac Importers' Association, held May 27 at the Plandome Golf Club, Plandome, Long Island.

Twenty-two persons participated in the golf match. Hardit Singh Malik, Trade Commissioner for India, won the low gross with a 78. J. J. Budelman, of the Gillespie-Rogers-Pyatt Company, took second low gross with a score of 82. The low net went to Charles O'Malley of the Mac Lac Company, who turned in a net score of 70. Tennis honors went to Arthur Ford, of the Mantrose Corporation.

M. A. Rosen, president of the Mantrose Corporation, and also president of the United States Shellac Importers' Association, presided at the banquet, for which thirty-two covers were laid. During the evening, Louis Gillespie, of the Gillespie-Rogers-Pyatt Company, presented twenty-one prizes, which comprised golf equipment and radios.

## Paint Raw Materials Imports for 1940 Reported

Imports of paint raw materials in 1940, as compiled by the Department of Commerce, follows:—

| | Pounds. | Value. |
|---|---|---|
| Babassu oil | 890,872 | $41,871 |
| Barytes ore, tons | 6,879 | 44,641 |
| Black pigments | 9,361 | 685 |
| Brown, Vandyke | 14,362 | 722 |
| Cashew nut oil | 4,772,319 | 206,864 |
| Copal gums | 32,790,441 | 1,822,735 |
| Dammar | 19,110,593 | 1,098,785 |
| Illmenite | 443,282,470 | 750,590 |
| Iron oxides, natural. | 14,902,739 | 248,290 |
| synthetic | 4,426,679 | 246,898 |
| Kauri | 1,561,135 | 122,921 |
| Lac, crude, seed | 20,118,993 | 2,072,516 |
| Linseed oil | 10,657 | 1,420 |
| Ochers, crude | 618,547 | 8,421 |
| Ochers, washed or ground | 3,580,737 | 43,836 |
| Oiticia oil | 15,536,623 | 2,218,264 |
| Perilla oil | 11,347,270 | 873,054 |
| Rutile | 312,065 | 14,849 |
| Shellac, bleached | 1,640 | 492 |
| unbleached | 29,990,213 | 3,559,531 |
| Siennas | 630,910 | 18,307 |
| Soybean oil | 4,848,670 | 182,884 |
| Tung oil | 97,048,595 | 20,274,412 |
| Turpentine, gals | 787,342 | 168,828 |
| Umbers | 5,651,676 | 43,580 |
| Vermillion reds | 14,332 | 13,114 |
| Ultramarine | 228,776 | 27,240 |
| Varnishes | 7,049 | 16,220 |
| Whiting | 10,905,960 | 43,669 |
| Zinc oxide | 635,981 | 45,347 |

## A.G. Fairweather Rejoins Woolsey Co. and N.J. Paint

A. G. Fairweather has rejoined the C. A. Woolsey Paint & Color Company and the New Jersey Paint Company in the capacity of general manager. Mr. Fairweather was identified with the Woolsey organization and the New Jersey company as sales manager from 1923 to 1936.

**Cincinnati - Dayton-Indianapolis**-Columbus Paint and Varnish Production Club and the Cincinnati Paint, Varnish and Lacquer Association will hold their annual joint golf tournament June 9 at the Columbus (Ohio) Country Club.


*The Demands of Excellence*

ARE EXACTING

The quality of St. Joe, American Process, Zinc Oxide was fixed years ago. Long before 1927, when ground was broken at Josephtown, Pa. for the construction of a smelter, this Company determined to produce the highest quality zinc oxide obtainable. The desire to maintain this recognized, unvarying quality still inspires every operation of hand and machine, from ore to oxide. This insistence upon perfection is not the easiest way; it is, rather, the natural result of a policy established in 1865 by this organization — a policy which has made this Company one of the leading factors in its field.

ST. JOSEPH LEAD COMPANY

250 PARK AVENUE, NEW YORK, N. Y.

*MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES*

# Oil, Fats, and Waxes

**Cottonseed Oil, Lard and Soybean Futures Irregular—Speculation Less Active — Copra and Coconut Oil Easier — Linseed Oil Reduced by Crushers—Business Generally Quiet**

Quieter conditions prevailed in the market for miscellaneous oils, fats and greases last week. On the eve of the Memorial Day holidays buyers in many cases were disposed to curtail purchases, while irregularity and at times declines in the markets for cottonseed oil, lard and soybean futures also had a tendency to make buyers of oils and fats more cautious. In such circumstances an easier tone developed in some branches of the market and shading of quotations was noted in a few instances, although offerings of many commodities were still decidedly light. The announcement that the recent advance in ocean freight rates on some Far Eastern products would be canceled in the near future was reflected in easier markets for copra and coconut oil. An unexpected development in the way of price changes was a reduction in linseed oil, the action of crushers being attributed by some to quietness of new business in that commodity and also to the favorable outlook for the flaxseed crop in this country.

## Vegetable Oils

**Castor, Dehydrated.** — Tone continued firm. Steady contract movement. New business active.

**Chinawood.**—Quotations maintained. Offerings withdrawn or limited to moderate lots. Numerous inquiries. Imports here last week, 784 tons.

**Coconut.** — Tone easier. Nominal crude price ⅛c. lower here. Refined unchanged. Copra nominally ¼c. lower.

**Corn.**—Offerings light. Few transactions reported. Quotations nominal.

**Cottonseed.**—Edible oil prices unchanged. Demand fairly active.

**Oiticica.** — Tone firm. Offerings light, spot and future. Good inquiry.

**Olive.**—Denatured reduced 35c. per gallon; foots ½c. per pound. Edible unchanged. All prices nominal. Inquiries numerous.

**Peanut.**—Crude and refined generally stationary and nominal. Offerings continued light.

**Perilla.** — Prices generally held at previous levels. Fair inquiry.

**Rapeseed.** — More active. Prices steadier.

**Soybean.**—Trade quieter. Quotations generally maintained by producers.

There was no trading in soybean oil futures on the New York Produce Exchange, from May 24 to May 29, inclusive. Following is a price record for the week:—

| | Cents per pound in tanks— High. | Low. | Close. |
|---|---|---|---|
| July | ... | ... | 9.25 nom. |
| October | ... | ... | 9.00 nom. |

### Markets at Other Centers

**Chicago, May 29.**—Vegetable oil trade good.

COCONUT.—Refined, edible, 12¾c. to 13c. per pound, drums, car lots; 13¼c. to 13½c., less car lots.

CORN.—Crude, mills, 10¼c. to 10½c. per pound. Refined, 13c. to 13¼c. per pound, drums, car lots; 13½c. to 13¾c., less car lots.

PEANUT.—Crude, South, 10c. to 10⅛c. per pound.

SOYBEAN.—Crude, May-forward, 9¼c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular. Trading quieter. Following is a soybean price record, per bushel, for the week:—

| | High. | Low. | Closing May 29. | Closing May 23. |
|---|---|---|---|---|
| Cash, No. 2 | $1.35½ | $1.34½ | $1.34½ | ... |
| July | 1.37⅛ | 1.33¾ | 1.33⅝ | $1.33⅞ |
| October | 1.28 | 1.22¾ | 1.23 | 1.25⅝ |

**San Francisco, May 27.**—The vegetable oil market developed very little change. Business moderate.

COCONUT.—Sales last week at 6⅛c., tankcars, f.o.b. Pacific, in fair quantity. Buyers now refusing 6c. Position nominal. Copra 3.85c. per pound.

CHINAWOOD.—Business routine. "Free" oil 31c., tankcars.

OITICICA.—Solid oil 18c. per pound in drums; liquid 19c., f.o.b.

BABASSU.—Quoted 9c. per pound in tankcars, f.o.b.

COTTONSEED.—Crude 9¾c. per pound in tankcars, f.o.b. Northern California mills.

RAPESEED.—Argentine oil, refined and denatured, June-July shipment from Pacific Coast, 8c. per pound, tankcars.

### Price Changes

**Advanced**

Red oil, ½c. per lb.
Stearic acid, ½c. per lb.

**Reduced**

Coconut oil, crude, ⅛c. per lb.
Cod oil, Newfoundland, 1c. per gal.
Copra, ¼c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Lard, 15c. to 25c. per 100 lbs.
Linseed oil, 2-10c. per lb.
Olive oil, denatured, 35c. per gal.
foots, ½c. per lb.

### Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 155.2 | 155.4 | 146.4 | 102.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Linseed Oil

Changes in flaxseed quotations generally moderate. Linseed oil lower. Meal steady. Flaxseed receipts here last week 21,800 bushels.

**Flaxseed**—DULUTH, May 29.—Lack of interest and heavy receipts, as well as early and wide seedings and good early crop prospects, made the flax market softer.

The week's closing flaxseed price range was as follows:—

| | Cash. | July. |
|---|---|---|
| Saturday | $1.84 | $1.78 |
| Monday | 1.82¼ | 1.76½ |
| Tuesday | 1.82½ | 1.76½ |
| Wednesday | 1.83¾ | 1.77¾ |
| Thursday | 1.82¼ | 1.77¼ |

Crop movement in bushels follows:—

| | Receipts— 1941. | 1940. | Shipments— 1941. | 1940. |
|---|---|---|---|---|
| This week.. | 41,082 | 19,094 | ..... | 1,132 |
| Since Aug. 1. | 10,970,225 | 4,598,746 | 8,543,916 | 4,180,221 |

MINNEAPOLIS, May 29.—Local cash flax receipts have been increasingly heavy and in good demand at firm prices. Crusher buyers continued their efforts to break the market by bidding lower but failed to do so because there was always some one who wanted supplies.

Trade in futures light. The proposal to reduce the tariff is an unsettling factor and speculative sentiment is turning bearish. Because of the good neighbor policy linseed interests are less confident of being able to defeat a proposed change at this time.

Crop news is not as good.

The week's closing flaxseed price range was as follows:—

| | Cash. | July. | Sept. |
|---|---|---|---|
| Saturday | $1.84 | $1.78 | $1.80 |
| Monday | 1.82¼ | 1.76¼ | 1.78¼ |
| Tuesday | 1.82½ | 1.76½ | 1.79 |
| Wednesday | 1.82¾ | 1.77¾ | 1.80¾ |
| Thursday | 1.82¼ | 1.77¼ | 1.79¾ |

Crop movement in bushels follows:—

| | Receipts— 1941. | 1940. | Shipments— 1941. | 1940. |
|---|---|---|---|---|
| This week.. | 172,200 | 35,000 | 25,200 | 16,800 |
| Since Sept. 1. | 10,844,200 | 3,971,600 | 1,846,600 | 2,195,530 |

WINNIPEG, May 29.—The week's closing flaxseed price range was as follows:—

| | Cash. | July. | Oct. |
|---|---|---|---|
| *Saturday | .... | .... | .... |
| Monday | $1.50½ | $1.51⅝ | $1.49¾ |
| Tuesday | 1.50¼ | 1.51½ | 1.49 |
| Wednesday | 1.50½ | 1.52 | 1.49⅝ |
| Thursday | 1.47½ | 1.48 | 1.45½ |

* Holiday.

BUENOS AIRES, May 29.—Flaxseed, June, 70⅝c. per bushel.

**Linseed Oil.**—The market here was easier, quotations being reduced two points by crushers to 10c. to 10.2c. per pound in tankcars. There was a steady movement to consumers and dealers on contracts, but new business was still reported as quiet, buyers being disposed to await developments in the crop situation as well as in the markets for other commodities. Withdrawals on contracts in outside markets were reported as steady and large. Cash flaxseed was in good demand in the Northwest and all offerings were readily absorbed, crushers being the principal buyers. Reports regarding the progress of the new flaxseed crop were still mainly favorable, but some of the accounts were less optimistic than recently. The final estimate of the Argentina crop put it at 57,480,000 bushels.

MINNEAPOLIS, May 29.—Linseed oil trade sluggish but plenty of inquiry for deferred delivery and plenty of evidence that consumers will need all the oil that can be made from domestic flaxseed.

Buyers are waiting to see what will happen to the import tariff on Argentine flax, which is under scrutiny.

Quotations on tankcar lots 10c. per pound, cooperage car lots 10.7c. per pound, warehouse lots 11.1c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

| | 1941. | 1940. |
|---|---|---|
| This week..... | 4,320,000 | 1,960,000 |
| Since Sept. 1..... | 294,061,000 | 160,360,000 |

SAN FRANCISCO, May 27.—Flax harvesting making very good progress in all sections of the state. Tankcars, 9.7c. per pound; drum car lots, ex-mill, 10.4c.; drum lots, ex-warehouse, 10.8c.

**Cake and Meal.**—The movement of linseed meal was on a fair scale, and the market retained a steady tone.

MINNEAPOLIS, May 29.—Demand for linseed meal is a little bit better and

STEARIC ACID
Single Pressed and Double Pressed
*Available in either cake or flake form*
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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Cable Address: "EPILOGUE"

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

prices are firmer. With hog and cattle prices stabilized, farmers are willing to feed linseed meal more freely, and because so much of the soybean supply is going into the making of plastics, there is no important competition for linseed meal crushers to meet.

Quotations on car-load lots, f.o.b. Minneapolis, 100-pound sacks, $27 to $28 per ton.

Shipments of meal in pounds were as follows:—

| | 1941. | 1940. |
|---|---|---|
| This week..... | 4,550,000 | 2,650,000 |
| Since Sept. 1..... | 143,650,000 | 116,830,000 |

## Cottonseed Oil

Refined cottonseed oil futures irregular. Southern markets for cottonseed products easier.

**Cottonseed Oil.**—Trading here in refined oil futures was quieter last week, local and other operators being inclined to curtail transactions on the eve of the Memorial Day holidays. The attitude of government officials in the matter of speculation in commodities also apparently had a tendency to slow up operations in cottonseed oil futures. Prices were irregular, changes being within rather moderate limits much of the time, with the tone of the market mainly easier although there was an upturn early in the week. On firm spots, however, local and other long longs liquidated and there was also apparently more or less selling for a turn on the short side although few operators appeared to be disposed to sell aggressively for a decline.

Crude oil was quiet and Southern markets in some cases were easier, quotations being ¼c. to ½c. lower than in the previous week. Copra and coconut oil were easier on the announcement that the recent advance in freight rates from the Far East would be cancelled in the near future. Soybean and lard futures had a downward trend at times. Business in various oils and fats was quieter, consumers being disposed to hold off for a time and await further developments, but as a rule prices were maintained at recently advanced levels in the absence of any increase in offerings.

Reports concerning the progress of the cotton crop were still unfavorable in many instances though favorable accounts were not lacking. An official government report showed that more weevil survived the winter than in any recent preceding year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 24 to May 29, inclusive, comprised 914 contracts. Following is a price record for the week:—

| | Cents per pound in tanks— High. | Low. | Close. |
|---|---|---|---|
| July ..... | 10.70 | 10.38 | 10.38 sale |
| September ..... | 10.70 | 10.26 | 10.26@10.28 |
| October ..... | 10.68 | 10.26 | 10.22 sale |
| December ..... | 10.68 | 10.19 | 10.21@10.22 |

Crude, Southeast, .09½c. Nom.

**Chicago, May 29.**—Cottonseed oil trade is good. Refined, edible, 11¾c. per pound, drums, car lots; 12¼c. to 12½c., less car lots.

**Cake and Meal.**—Meal trade fair. Tone easier in some sections though offerings generally light.

### Markets at Other Centers

**Atlanta, May 27.**—Cottonseed meal, 8 percent, $26 to $26.50 per ton. Prime crude oil 9½c. to 10c. per pound. Trading light. An unprecedented April and May drought continues to retard the cotton crop in the Southeast.

**Memphis, May 29.**—Trading in crude cottonseed oil practically at standstill. Today 9½c. bid; 10c. asked. Only few scattered lots remain unsold. Most mills closed for season. Meal, 41 percent, $25.50 per ton, Memphis basis. Bulk slab cake $23 per ton, Valley basis. Bulk hulls $4.50 to $5 per ton, mill points. Feed demand expected to pick up shortly as drought prevails over wide section. Much cotton not yet up and some replanting may be necessary. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

| | May 22. | May 28. |
|---|---|---|
| July ..... | $25.25@25.70 | $25.15@25.50 |
| September ..... | 25.75@26.25 | 25.85@26.30 |
| October ..... | 26.25@26.50 | 26.30@26.65 |
| December ..... | 26.50@27.25 | 26.50@26.75 |
| January ..... | —@— | 26.50@26.75 |

Closing soybean meal futures:—

| | | |
|---|---|---|
| May ..... | $25.00@— | —@— |
| July ..... | 24.75@25.25 | $25.15@25.65 |
| October ..... | 24.30@24.50 | 24.25@24.50 |
| December ..... | 24.35@— | 24.25@24.35 |
| January ..... | —@— | 24.35@24.65 |

## Fatty Acids

**Capric Acid.**—Firm at recent advance. Demand good.

**Castor Oil.**—Quotations stationary. Tone firm. Steady request.

**Coconut Oil.**—Raw material slightly easier. Acid remained firm.

**Cottonseed Oil.**—Steady contract movement. New business quieter. prices unchanged.

**Myristic Acid.**—Prices maintained. Tone firm. Trade active.

**Red Oil.**—Demand continued good. Market firm. Prices up ½c.

**Stearic Acid.**—Selling schedules raised ½c. by some makers. Steady contract movement.

**Chicago—May 29**

Demand for fatty acids is good. Corn oil, double distilled, 11c. to 11¼c. per pound, tankcar; 11½c. to 11¾c., drums,

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)
STEARIC ACID
RED OIL
(OLEIC ACID)

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Uniform Quality, for All Uses
THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio

THE BRODE CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
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The highest grade alkyd resins, use Woburn Fatty Acids (Linseed, Soybean, Cocoanut, Cottonseed, etc.). They are more highly refined, purer, are uniform and are shipped in suitable containers to prevent contamination.

To obtain a superb alkyd, colorless and color retentive to an unusual degree, use Woburn Isoline Fatty Acid. No other material produces an alkyd of equivalent color retention and durability.

For a drying oil of superior quality, use Woburn Dehydrated Castor Oil — ISOLINE — (U.S. Patent 1,892,258). White protective coatings made with ISOLINE are lighter and do not "after yellow".

For the Most Durable of All Films Use ISOLINE

For high quality soaps, use Woburn Fatty Acids. Consult our Technical Department for advice on the proper Fatty Acid to be used in making your Special Soaps. The use of Fatty Acids reduces the cost of making soaps.

WOBURN dependable PRODUCTS

WOBURN DEGREASING COMPANY of N.J.
HARRISON CABLE ADDRESS: WOBODE NEW JERSEY
Representatives in Principal Cities:
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PHILADELPHIA Geo. A. Rowley Co. PITTSBURGH J. C. Ackerman ST. LOUIS Nolte Brokerage Co. TORONTO Harrisons & Crosfield (Canada) Ltd. WASHINGTON, D. C. Manufacturers Service Bureau
LOS ANGELES — PORTLAND, ORE. — SEATTLE — SAN FRANCISCO
Martin, Hoyt & Milne, Inc.
Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

car lots; 12c. to 12¼c., less car lots; coconut oil, acidulated, 14c. to 14½c. tankcar; 14½c. to 14¾c., drums, car lots; 15c. to 15¼c., less car lots; cottonseed oil, double distilled, 9½c. to 9¾c. per pound, tankcar; 10c. to 10¼c., drums, car lots; 10½c. to 10¾c., less car lots; settled cottonseed soap stock, 60-62 percent basis, 3½c. to 3¾c.; boiled down soap stock, 65 percent basis, 4½c. to 4¾c.; cottonseed foots, 50 percent basis, 2½c. to 2¾c.

## Fish Oils

**Cod.**—Newfoundland oil available at 74c. per gallon in drums spot.

**Menhaden.**—Refined oil prices stationary. Fair demand.

**Sardine.**—Local refined oil prices unaltered. Trade quieter.

**Sperm.**—Fair demand for moderate lots. Market steady.

**Whale.**—Refined oil consumers purchasing for current needs.

### Markets at Other Centers

**Baltimore**, May 27.—Crude menhaden oil sold this week at 52½c. per gallon, if-and-when-made, Baltimore basis. Producers expect higher prices and not disposed to offer freely. Florida fishing results still small. North Carolina operations getting under way. Results thus far indifferent.

SAN FRANCISCO, May 27.—Rather substantial trading took place in the sardine oil market here last week, involving new crop material to be produced in the Oregon-Washington districts as well as in San Francisco and Monterey Bays, at 55c. per gallon. This brought the total in this area and not yet produced to approximately 450 tankcars.

Old floating reduction steamers, which have been worked in the harbors under State jurisdiction since 1938 following enactment of laws which prevented their high-seas operations, are being reconverted back into cargo-carrying vessels and pressed into freight service and new shore plants in San Francisco Bay are being reconstructed to replace them.

## Fats and Greases

**Grease.**—Offerings light. Inquiry fair. Tone steady.

CHICAGO, May 29.—Choice white grease, 7⅞c. to 8c. per pound; yellow, 7¼c. to 7½c.

**Lard.**—Local cash demand fair. Tone easier with futures.

CHICAGO, May 29.—Following is a lard price record, per 100 pounds, for the week:—

| | High. | Low. | Closing May 29. | Closing May 23. |
|---|---|---|---|---|
| Cash | $9.77 | $9.50 | $9.50 | $9.70 |
| July | 9.95 | 9.60 | 9.62 | 9.82 |
| October | 10.22 | 9.90 | 9.90 | 10.07 |

**Stearin.**—Fair request for moderate spot lots. Offerings light.

CHICAGO, May 29.—Prime oleo stearin, 8½c. to 9c. per pound.

**Tallow.**—Fairly active inquiry for moderate lots. Offerings light. Tone steady.

CHICAGO, May 29.—Inedible tallow, prime, 8c. to 8¼c. per pound; special, 7⅝c. to 7¾c.

There was no trading in tallow futures on the New York Produce Exchange from May 24 to May 29, inclusive. Following is a price record for the week:—

| | Cents per pound in tanks— High. | Low. | Close. |
|---|---|---|---|
| July | ... | ... | 7.95@8.20 |
| October | ... | ... | 8.05@8.35 |

## Animal Oils

**Degras.**—Demand continued good. Stocks light or moderate. Tone firm.

**Lard.**—Tone remained firm. Fair demand for moderate lots.

CHICAGO, May 29.—No. 1 lard oil, 11c. to 11¼c. per pound.

**Neatsfoot.**—Quotations maintained. Business fairly active.

**Oleo.**—Increased request. Stocks moderate. Market firm.

CHICAGO, May 29.—Extra oleo oil, 10¾c. to 11c. per pound.

**Tallow.**—Trade fairly active. Market steady.

CHICAGO, May 29.—Acidless tallow oil, 11c. to 11¼c. per pound.

## Waxes

**Bayberry.**—More inquiry. Not much more selling. Steady.

**Bees.**—Considered firm to firmer. In very good call. Competition unimpressive. Full prices prevail most of time.

**Candelilla.**—Strong, spot and Mexico. Demand running to satisfactory figures.

**Carnauba.**—Conditions change little. Occasional profit taking by "outsiders" tinges market with apparent unsettlement. Most regular dealers maintain quotations. Report conditions apparently no less strong in Brazil.

**Japan.**—Firm. Fairly active. Competition in eclipse.

**Ouricury.**—Brazil report oversold. Spot. quotations strong. Dealers worry about non-arrival of wax due them.

## Cereal Chemists Name Dr. C.N. Frey President

Dr. Charles N. Frey, director of the Fleischmann Research Laboratories, was elected president of the American Association of Cereal Chemists, at its annual convention, held in Omaha, Neb., May 19-23. Other officers elected were:—

Vice-president, J. M. Doty, of Merck & Co., Omaha; secretary, H. G. Obermeyer, of the Campbell, Taggert Research Corporation, Kansas City; treasurer, Pierie Rumold, of the Standard Milling Company, Kansas City.

Dr. Frey is, together with his associates at the Fleischmann laboratories, discoverer of a method of stepping up the vitamin $B_1$ content of yeast for bakers to about 30,000 international units per pound, and developer of an assaying machine that determines the vitamin $B_1$ content of a food in about three hours instead of the six to eight weeks formerly required for this purpose through feeding tests.

A native of Hopkins, Mich., Dr. Frey attended Michigan State College, from which he graduated with the degree of Bachelor of Science. From the University of Wisconsin he received his masters degree and his Ph.D.

In 1915 he entered the employ of the United States Department of Agriculture. The following year he joined the Wisconsin State Department of Agriculture, acting at the same time as instructor in the University of Wisconsin. During the World War, Dr. Frey was a first lieutenant and later captain in the army. Dr. Frey became director of the famous Fleischmann laboratories in New York about fourteen years ago.

## *Trade Briefs*

**Oil Trades** Association of New York will hold its annual spring sports outing June 10 at the Pelham Country Club, Pelham Manor, N. Y.

**Olive Oil Association** of America has appointed a cooperative advertising committee, of which J. M. Calderon, of the Victor M. Calderon Company, this city, is chairman.

**Spiegel & Peiffer,** tallow and grease broker, 2 Broadway, this city, has issued a chart showing the price range of tallow and other soap making materials from 1927 to 1941.

## *Cottonseed Ass'n Told To Avoid Price Rises*

*—Continued from page 3*

from the hours provision of the act the "employees of employers engaged in the processing of cottonseed." After a conference in Washington, Senator Benet and Mr. Gregory announced that according to the best information then available the industry was exempted in all operations that had to do with the processing of cottonseed. Later, attorneys in the wage and hour division changed this ruling. They now rule that nightwatchmen are not exempt. I believe it is probable that they will rule summer repairmen not exempt, and possibly all labor employed when the wheels are not actually turning. This brings up a serious problem for this industry.

What contingent liability we might have built up due to any such interpretation of the law? From talking to those members of Congress, whom I know, and who worked and passed on this bill, I do not believe it was the intent of Congress that any employee of certain processors of certain farm products be subject to the hours provisions of the bill. This was done to prevent further increase in the cost of processing to the producer. My recommendation to whomever you charge with the leadership of our association next year is that all efforts possible be made to clarify our position.

### Research Program

Our technical advisory committee, headed by E. R. Barrow, is working closely with the Bureau of Agricultural Chemistry and Engineering in Washington. Our association maintains a research fellow in Washington. At this time our fellowship in Washington is studying the "Keeping Qualities of Cottonseed Oil," a problem of vast economic importance, since it is estimated that the annual loss in this country from the rancidity of fats exceeds $100,000,000. The committee is also working closely with Dr. Knight and the staff of the Southern Regional Research Laboratory here in New Orleans.

Dr. Gus W. Dyer, professor of economics, Vanderbilt University, Nashville, Tenn., spoke on the relationship between government and business and deplored stringent government control of business, which must be slackened before the country can return to a working form of constitutional government, in his opinion.

A definite and workable public relations program was advanced and advocated by Kenneth Collins, assistant to the general manager of the *New York Times*, New York, in an address on "The Cottonseed Industry and the Public." He emphasized the nutritional educational program which is under way all over the country and the concrete achievements which have already been accomplished. Mr. Collins also advocated a constructive attitude towards the increasing diversification of agriculture and industry in the South, and all conceivable assistance to the defense program.

A paper on "Agriculture in National Defense" was presented by Chester C. Davis, president of the Federal Land Bank of St. Louis and one of five members of the National Defense Advisory Commission. Mr. Davis stressed the fact that industrial management must expand capacity to produce essential materials for defense and civilian requirements notwithstanding its quite understandable apprehension over the peacetime use of the new facilities. Labor must supply, he said, the manpower which this effort requires, and do it without contributing substantially to the vicious spiral of rising wages, costs, profits and prices which could work deadly impairment of national efficiency in the job at hand. Both industrial management and the leaders of organized labor, he continued, must be prevented from taking advantage of this national crisis as an opportunity to try to increase their comparative advantages one over the other.

To guard against a price rise of the first order as a result of defense requirements, the government and in most cases industrial management are cooperating to push production as high as possible, Mr. Davis said. This is done, Mr. Davis explained, by planning further ahead than usual with industry to meet requirements through additional plant capacity; by encouraging sub-contracting and pro-ration or orders; by purchasing in advance during slack periods in industrial production; by integrating industry to operate on a seven-day-a-week schedule twenty-four hours a day; by government-industry cooperative training of labor for positions that require skill; and by priorities and allocations where necessary. While this goes forward, the production lines are humming at a rate never before approached, Mr. Davis concluded.

G. S. Meloy, senior marketing Specialist for the Department of Agriculture, Washington presented a highly technical discussion giving figure data and graphs for the past five years, illustrating why the cottonseed processors should not hold the oil for an anticipated "Spring rise."

A paper on "The Potential Importance of Cottonseed in Our Cotton Economy" was presented by John Leahy, project director for Engineering Experiment Station, University of Tennessee, Knoxville, Tenn. An important source of plastics material is derived from the residue obtained after the oil has been extracted from the seed, according to Mr. Leahy. He stressed the fact that cottonseed which is a by-product worth $200,000,000 a year to producers, is a "factor of greater influence in our cotton economy than the influence of any other agricultural or industrial product or commodity possessing by-product character in behalf of the pursuit from which they are derived."

Mr. Leahy added:

Cottonseed is adversely affected by restrictive measures designed to limit the production of staple cotton. Staple cotton of domestic production is admittedly in excess of supply insofar as the attractiveness of the American source is concerned to a world consumption which has expanded more than 50 percent during the past ten years. World consumption of staple cotton is now more than two and one-half times the American production. We have been burdened over the past several years with the chemurgic glory of the soybean. Cast in the same light the cottonseed has potentially greater glory, but the will to achieve this glory through accomplishment must develop within you, and there is no more opportune time than the present.

A technicolor motion picture featuring the 1940 advertising and promotional activities of the National Cotton Council was presented by W. M. Hynds, director of Field Service, Memphis, Tenn.

Newly-elected directors include:—Elkin G. Taylor, Moultrie, Ga.; C. W. Wallace, West Monroe, La.; and W. F. Guinee, New Orleans, La. Mr. Wallace is ex-officio member of the board. Other directors re-elected to serve are:—W. T. Graham, Talladega, Ala.; P. F. Cleager, Little Rock, Ark.; Geo. W. Covington, Jackson, Miss.; J. I. Morgan, Varmville, N. C.; A. L. Durand, Hobart, Okla.; Albert Jordan, Hartsville, S. C.; R. H. Patterson, Trenton, Tenn.; T. A. Hugston, Dellas, Tex.; J. Ross Richardson, Houston, Tex.; R. M. Simmons, Sweetwater, Tex.; Henry G. Womble, Caldwell, Tex.; W. B. Coberly, Los Aangeles, Calif.; W. H. Knapp, Cincinnati, Ohio, and G. J. Stewart, Chicago, Ill.

Other officials of the association who serve in a permanent capacity are T. H. Gregory, Memphis, Tenn., executive vice-president; A. L. Ward, Dallas, Tex., educational director; S. M. Harmon, Memphis, Tenn., secretary-treasurer, and Christie Benet, Columbia, S. C., general counsel.

### Hughes Made President

R. M. Hughes, Greer Oil Mill & Feed Company, Greer, S. C., was elected president, succeeding Mr. Wallace. Mr. Hughes has been closely identified with the cottonseed crushing industry in South Carolina since 1923, when he was made treasurer of the Greer Oil Mill, and president since 1925. He served as president of the South Carolina Cottonseed Crushers Association, season 1935-36, and was again elected in 1939 and has served through the 1940-41 season.

### Entertainment Program

The entertainment program included a golf tournament at the New Orleans Country Club on Monday afternoon, and a meeting of the Old Guard at the Roosevelt hotel on Monday evening. A banquet and dance was featured on Tuesday evening. Baseball games at Pelican Stadium were on the scheduled program every afternoon from Sunday through Wednesday. Special entertainment for ladies in attendance included sightseeing trips and luncheon at the Patio Royal in the historical French Quarter.

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Methyl Salicylate Monsanto is available at an extremely favorable price, and stocks are ample to take care of all requirements.

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See for yourself how much Methyl Salicylate Monsanto can add to the sales appeal of *your* products. For a four-ounce sample and a quotation on your requirements, inquire: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal.

**Specifications**
**Methyl Salicylate Monsanto**

***Appearance:*** water-white liquid.
***Odor:*** characteristic wintergreen, pure, sweet.
***Specific gravity:*** (at 25°C.) 1.180—1.185.
***Solubility in alcohol:*** 1.7 complete.
***Heavy metals:*** negative.

MONSANTO CHEMICALS
SERVING INDUSTRY WHICH SERVES MANKIND

# Drugs, Fine Chemicals

**Blackstrap Molasses Drives to Higher Levels — Alcohol Shows Strength — Dull Demand Drops Cocoa Butter Prices —Some Solvents Cheaper—Cadmium Scarcity Acute**

Reports emanating from producers of numerous drugs and fine chemicals stressed growing scarcities of many items and an increasing inability on their part to accept all business offered at this time. Notwithstanding that demand often exceeds producers' ability to supply promptly, the interesting, even surprising fact was that the manufacturers showed little disposition to advance prices on articles in which demand exceeded supply. It was evident that determination to maintain values on an even keel was virtually general among producers and that in resale quarters alone was to be found the type of prices produced when buyers far exceed sellers.

Changes in prices came mainly in the solvents group. Amylnaphthalene, diamylnaphthalene, monoamylnaphthalene, and polynaphthalene were offered at lower prices, while the price on mixed amyl chlorides was advanced a wee fraction.

Practically all other solvents were articles of great strength caused by the oversold position of the market—or at least by demand exceeding supply. Alcohol was conspicuous for strength following a further advance in blackstrap molasses quotations.

**Acetone.**—Production engaged well ahead. No material for open market sales.

**Acid, Ascorbic.**—Interest expanding in vitamin C. Demand very active.

**Acid, Benzoic.**—Situation tightening. Little market surplus.

**Acid, Boric.**—Struck raw material plant hampers normal total production of acid. Sellers reserved.

**Acid, Camphoric.** — Low supply. Strong prices. Sellers reserved.

**Acid, Citric.**—Buyers for export find little available. Domestic consumers being supplied. Prices not to go higher this Summer.

**Acid, Gallic.**—U.S.P. item in moderate reserve. Undertones show strength.

**Acid, Mandelic.** — Very good call. Movement into consumption steady. Firm prices.

**Acid, Nicotinic.** — Heavy consumption by flour millers continues to keep producers' reserves low.

**Acid, Salicylic.** — U.S.P. reserve moderate. No pressure to sell. Quotations fully maintained. No surplus.

**Acid, Tartaric.** — Strong position continues. Every pound available finds prompt demand for consumption. Producers reserved. Little change for return to normal supply. Resellers, 73c. to 75c. per pound.

**Alcohol.** — Strong, vitalized market. Demand running to excellent totals. No surplus of supplies. Statistics comparing production, withdrawals, and stocks of pure and denatured ethyl alcohol in July-April, 1940-41 and 1939-40, as reported by the Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, Washington, D. C., are as follows:—

**Ethyl Alcohol**

| | Proof gallons—July-Apr. 1940-41. | Proof gallons—July-Apr. 1939-40. |
|---|---|---|
| Production | 236,510,740 | 201,357,534 |
| Withdrawn— | | |
| Tax paid | 21,630,529 | 19,182,256 |
| Tax free | 225,198,248 | 191,465,564 |
| Stocks, April 30 | 11,329,760 | 20,956,924 |

**Denatured Alcohol**

| | Wine gallons—July-Apr. 1940-41. | Wine gallons—July-Apr. 1939-40. |
|---|---|---|
| Completely | | |
| Produced | 15,759,682 | 14,056,908 |
| Removed | 15,807,249 | 14,321,584 |
| Stocks, April 30 | 440,092 | 378,240 |
| Specially | | |
| Produced | 107,367,502 | 92,960,849 |
| Removed | 107,432,074 | 93,021,806 |
| Stocks, April 30 | 1,070,625 | 1,212,441 |

**Bonded Dealers**

| | Wine gallons—July-Apr. 1940-41. | Wine gallons—July-Apr. 1939-40. |
|---|---|---|
| Specially denatured— | | |
| Received from denaturing plants | 3,355,659 | 2,845,164 |
| Disposed to bonded manufacturers | 3,154,132 | 2,936,239 |
| Inter-dealer shipments | 30,530 | 29,114 |
| Stocks, April 30 | 578,411 | 284,456 |

**Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7**

**Price Changes**

**Advanced**

Amyl chlorides, mixed, 0.0035 per lb.
Molasses, blackstrap, North Atlantic ports, ½c. per lb.
Gulf ports, ¼c. per lb.

**Reduced**

Amylnaphthalene, mixed, crude, 1c. per lb.
refined, 1½c. per lb.
Cocoa butter, ¾c. per lb.
Diamylnaphthalene, 3c. per lb.
Monoamylnaphthalene, 3c. per lb.
Polyamylnaphthalene, 5c. per lb.

**Comparative Values**

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 210.3 | 210.3 | 209.8 | 201.3 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Amyl Acetate.**—Strong. No surplus to care for new prompt delivery business.

**Amyl Chlorides.** — Mixed item higher. Tanks, 5c. per pound; drums, car lots, 6c.; less car lots, 7c. Quoted on works basis.

**Amyl Naphthalenes.**—Mixed article reduced to 14c. per pound for crude; refined, 16c. Quoted on works basis.

**Argols.**—Imports by countries of origin, 1940, gain interest now because all sources but Spain, Portugal, and South American countries are now cut off, affecting future output tartaric acid:—

| Countries. | Pounds—Argols. | Pounds—Calcium tartrate. |
|---|---|---|
| France | 346,968 | 2,169,007 |
| Greece | ..... | 667,987 |
| Italy | 2,914,663 | 422,737 |
| Portugal | 4,780,783 | ..... |
| Spain | 6,790,285 | 98,938 |
| United Kingdom | 6,720 | ..... |
| Canada | 4,773 | ..... |
| Argentina | 4,920,373 | 2,322,456 |
| Brazil | 11,023 | ..... |
| Chile | 1,110,774 | 82,844 |
| Peru | 11,790 | ..... |
| Algeria | 1,753,469 | 355,360 |
| Tunisia | 680,825 | ..... |
| Morocco | 473,335 | ..... |
| Total | 23,805,781 | 6,119,329 |

**Benzocaine.**—No further advance. Very firm at $3 per pound.

**Berberine.** — In moderate supply. Prices very firm. Little competition.

**Betanaphthol.** — Sublimed very steady. Benzoate firm. Normal demand. Moderate supply.

**Bismuth Metal and Salts.**—Minor salts continued at unchanged prices. Major salts appear steadier since late, sharp reduction. Demand steady.

**Borax.**—Ready market for everything obtainable. Stocks for delivery subnormal. No resale goods reported.

**Bromine and Bromides.**—Consumption running to excellent totals. Exceptionally firm undertones.

**Cadmium.**—Extreme scarcity continues. Producers' quotations nomi-

**Association meetings:—**

*Toilet Goods Ass'n, June 9-11, New York.*
*Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.*

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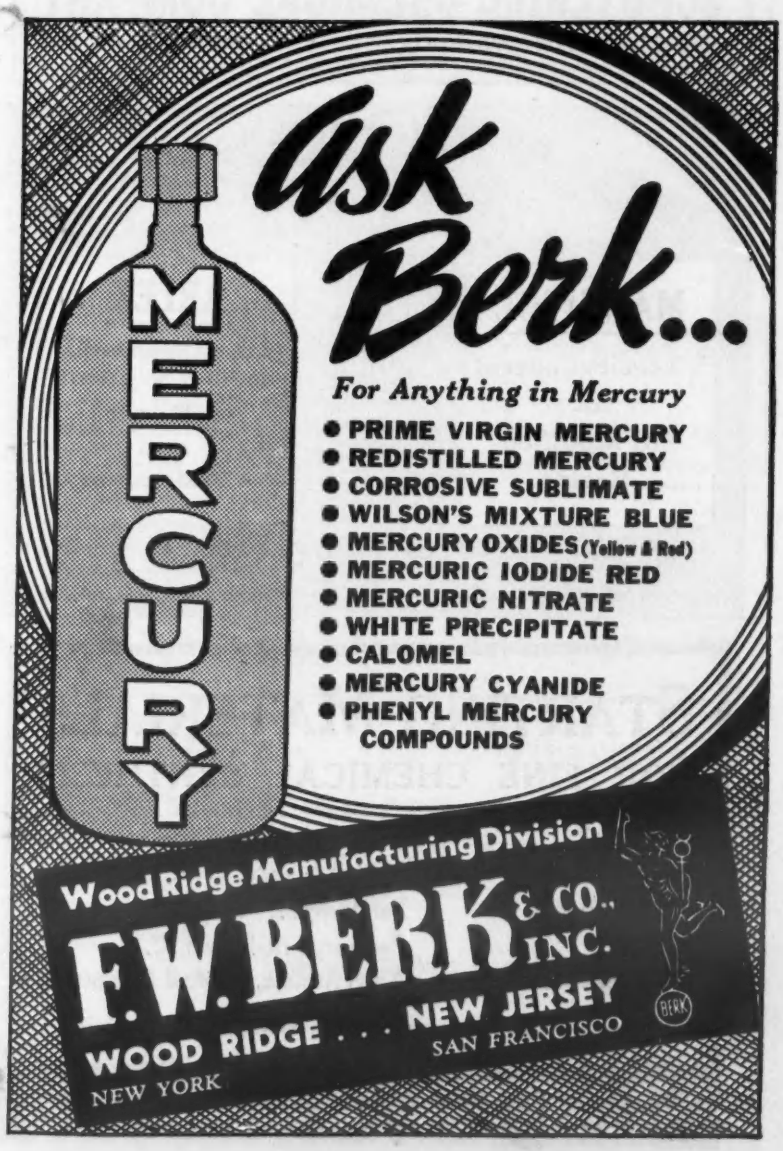

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nal. Resale—and little obtainable anywhere—between $1.60 and $1.90 per pound.

**Caffeine.**—Resale price last heard at $8 per pound. None offered last week. Producers' quotations confined to contract deliveries and regular customers.

**Castor Oil.**—Very firm. Good demand. Activity in raw material market dropping as crop season ends.

CHICAGO, May 28. — Ruling prices are:—Cold pressed, U.S.P., returnable drums, car lots, 11⅜c. per pound; drums, less than car lots, 12½c.; tanks, 10⅞c.; No. 3, extracted, returnable drums, car lots, 11½c.; drums, less than car lots, 12¼c.; tanks, 10⅝c.

**Cocoa Butter.**—Limited demand. Slow season at hand. Price down to 24c. to 24½c. per pound.

**Codliver Oil.**—Demand light. Conditions normal. Much concern felt regarding Iceland production and transport problem.

**Corn Syrup.**—Very firm. Has yet to follow rise in other corn derivatives.

**Creosote.**—Stocks small. Not likely to increase. Very firm market. Light demand.

**Diamylnaphthalene.**—Down 3c. to works basis of 17c. per pound.

**Epsom Salt.**—Activity upped considerably. Larger quantities in request. Very firm.

**Fish Liver Oils.**—Leading buyers await normal offerings of new production. Prices static meanwhile. Firm undertones.

SAN FRANCISCO, May 27.—Strengthening noted in fish liver oil market. Prices rise moderately. Fair buying interest, especially for lower potency A materials. Some new shark livers are coming in now.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units vitamin A per gram, 8¼c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6¾c.; 25,000 to 50,000 units, 6c.; lower potency, upwards of 10,000 units, 5½c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 60c. per million units.

**Glycerin.**—Firm at recent advance. No signs of further rise in nearby future. Holders of crude highly reserved. Take bullish view on future of market. Imports of crude and refined, 1940, by countries of origin were:—

| | Pounds | |
|---|---|---|
| | Crude. | Refined. |
| France | 96,560 | ..... |
| United Kingdom | 214,141 | ..... |
| Canada | 173,300 | 1,108 |
| Cuba | 2,960,688 | ..... |
| Argentina | 2,966,791 | 297,090 |
| Uruguay | 791,638 | ..... |
| Aden | 29,458 | ..... |
| French Indochina | 113,329 | ..... |
| Philippine Islands | 1,503,079 | ..... |
| Morocco | 277,299 | ..... |
| Totals | 9,096,283 | 298,198 |

CHICAGO, May 21.—Glycerin prices. C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

**Mercurials.**—Holding steady. No immediate raw material weakness. Demand active.

**Methanol.**—Jobbers, brokers, commission merchants et al, seeking resale offerings. All reports adverse. Production running under needs.

**Milk Powder.**—In low supply. In high demand. Strong prices.

**Molasses.**—Blackstrap, North Atlantic ports, minimum 8½c.; Gulf, 8¼c.

**Monoamylnaphthalene.**—Reduced 3c. to 17c. per pound, works basis.

**Paraformaldehyde.**—Strength at all angles of the market except that of supply. Consumption running ahead of output. Little change for open market transactions.

**Polyamylnaphthalene.**—Reduced 5c. per pound to 25c., works basis.

**Quicksilver.**—Consumers supplying affidavits showing need when buying. Inventories to be checked. Spot apparently firm. Much of rumor and little of fact current locally.

SAN FRANCISCO, May 27.—Quicksilver unchanged. Market quiet. Recent inquiry for very large lot rejected by sellers last week. Spot metal, $178, $179 per flask.

**Quinine.**—Close check kept in inventories, consumer and producer. Full determination to prevent speculation evident. Firm, stable market.

**Santonin.** — Swelling demand develops fair volume of trade in small lots. Very firm.

**Silver Nitrate.** — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

| | Per ounce | | |
|---|---|---|---|
| | Nitrate. | Bullion | |
| | Cents. | New York. Cents. | London. Pence. |
| Saturday | 24 | 34⅝ | 23⅝ |
| Monday | 24 | 34⅝ | 23⅝ |
| Tuesday | 24 | 34⅝ | 23⅝ |
| Wednesday | 24 | 34⅝ | 23⅝ |
| Thursday | 24 | 34⅝ | 23⅝ |
| Friday* | .. | .. | .. |

* Holiday.

## Pittsberg Chemical Now Making Methyl Bromide

Production of methyl bromide by a new process has been started by the Pittsberg Chemical Company, Vernon, Calif. In this process, the company reports that the material is distilled and completely refined, giving a clear and water-white product of high purity.

STANDARD
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## *U.S.P. Convention Set for March, 1942*

*—Continued from page 5*

edition of the pharmacopeia, and it is expected that the new revision will make its appearance before the close of 1941. Should any U.S.P. XII texts not be completed by that time, they will be issued in a supplement in accordance with the new continuous revision program.

With respect to patented articles, descriptions will be prepared for all articles which the subcommittee on scope has decided are of sufficient therapeutic importance to include in the pharmacopeia. In the absence of specific objections by holders of patent rights, these items will be accepted for U.S.P. recognition; in case of specific objection, such products will be omitted.

The board received a special committee from the council of the American Pharmaceutical Association and questions of mutual interest regarding the United States Pharmacopeia and the National Formulary were discussed at length with substantial progress. Arrangements were made for further discussions to be held early in 1942 to consider the principles which govern the revision of these two works.

The board heard and approved the several financial reports prepared by the treasurer, the secretary and the auditor and arranged to publish at an early date a statement covering the finances of the first year of the new decade.

Plans were considered for the issuance of monthly press releases covering various phases of pharmacopeial matters, further action to be taken on this subject in the near future.

## *Drug Industry Asks Priority, Deferment*

*—Continued from page 3*

tenance of the health of the civilian population; now, therefore, be it

Resolved, That the scientific personnel of the pharmaceutical industry essential to necessary production of medicinal preparations be deferred from induction into the military forces to the greatest extent permissible under the law; and, be it further

Resolved, That to insure an adequate supply of medicinal preparations for civilian, military, and naval requirements, priorities be granted promptly covering materials and equipment necessary for the manufacture of medicinals vital to the public welfare.

## *Riboflavin Scarcity Defers Flour Rules*

*—Continued from page 5*

the hearings that they were confident of being able to meet the demand for the vitamin at a substantial decrease in price provided they were given sufficient time to build up productive facilities.

Other regulations contained in the order include the requirement that the word "bleached" appear on the label if any optional bleaching agent is used in flour. All other optional ingredients must also be specified on the label of advertised "vitamin-enriched" goods.

## Mercury Output in 1940 Highest Since 1883

The outstanding feature of the mercury industry in 1940 was the more than doubling of domestic production under the stimulus of a record-breaking average price for the year, according to the Bureau of Mines. Final figures indicated that 37,777 flasks of mercury were produced, the largest output since 1883 and more than twice the 18,633 flasks reported in 1939. The average price for 1940 was the highest on record, although previously price quotations for limited periods, notably February and March, 1916, had exceeded any price reported in 1940. Exports aggregated 9,617 flasks, imports for consumption amounted to only 171 flasks, and general imports totaled 1,861 flasks. Domestic consumption amounted to about 26,600 flasks in 1940. Consumers', dealers', and producers' stocks at the end of the year were sufficient for over six and one-half months requirements at the average monthly rate of 2,200 flasks indicated for the year.

**George D. Olds, jr.,** has been elected a director of the U. S. Industrial Alcohol Company. Mr. Olds is associated with the Continental Oil Company.

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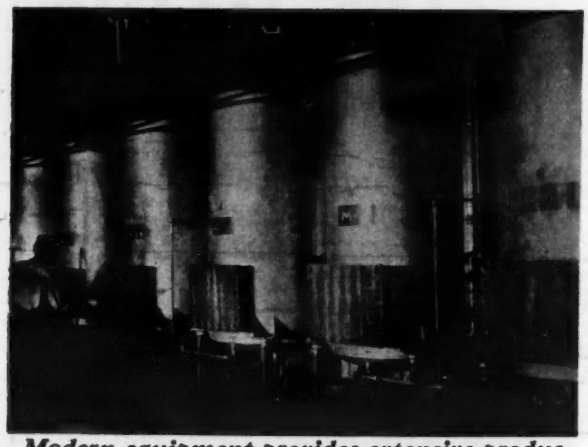

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# Botanical Drugs, Spices, and Gums

**Botanical Scarcities Pinching Prices Higher—Real Efforts Made to Grow Scarce Articles Here — Fair Progress Made With Domestic Collections—Demand Normal**

Although the market for botanical drugs lacked developments of exceptional or new interest last week, the undertone remained as strong as ever and prices were not only fully maintained but in some instances continued their upward movement for reasons clearly defined and reported for some time past.

The situation as concerned the more important of imported botanicals remained acute and it became more certain than ever that domestic production of such as can be grown here will become increasingly important. Numerous cultivation projects are afoot in various parts of the land. Some of these have been stimulated by the botanical drug houses while others are ventures of individuals or groups of individuals who see in the present inability to import from Europe an opportunity for service to the drug trade and profit to themselves.

Meanwhile, collection of domestic drugs goes on apace but under conditions rendered difficult by the absence of a normal labor supply in the domestic primary markets. Collection costs are almost certain to be higher than in recent years and hence price stability at a time when values ordinarily would be declining is not surprising. Undertones continued very firm and outlook for demand remained excellent.

## Balsams

**Copaiba.**—Higher. Stronger. More active. Para, 32c. to 33c. per pound. South American, 34c. to 35c.

**Peru.**—Advanced to 77c. to 78c. per pound. Strong, spot and source.

## Barks

**Cascara Sagrada.**—Strong. Stocks reported subnormal. Production cost averaging higher in Pacific Northwest. Tendency upward here.

**Cinchona.** — Increasingly firmer. Communications with Central America hampered by lack of normal shipping facilities. Transport from Netherlands Indies slow and uncertain. Stocks here being conserved.

**Cocillana.**—Less active. Very firm.

**Elm.**—Normal requirements expected to be covered by good collection.

**Soap.**—Firm. Fairly active. Transport slow from Chile.

## Beans

**Tonka.**—Very firm. Moving satisfactorily. Replacement arrivals carry high transport cost. Ships scarce.

**Vanilla.**—Strong in every sense and way. Good demand. Statistics covering February, prepared by Department of Commerce follow:—

| | Pounds | |
|---|---|---|
| | Entered for Immediate Consumption. | Withdrawn from Bonded Warehouse for Consumption. |
| France | ..... | 12,839 |
| Mexico | 29,916 | 8,053 |
| Fr. W. Indies | ..... | ..... |
| Netherlands Ind's | 7,826 | 1,405 |
| French Oceania | 6,820 | 87 |
| Madagascar | ..... | 2,335 |
| Brit. E. Africa | 22 | 3,882 |
| Totals | 44,584 | 28,601 |

Pounds. Entered into Bonded Warehouse.

| | |
|---|---|
| Mexico | 26,975 |
| Netherlands Indies | 1,386 |
| Total | 28,361 |

## Berries

**Cubeb.**—Higher at 48c. to 50c. per pound for whole. Powdered, 53c. to 54c.

**Sloe.**—Practically nominal market around 56c. to 58c. per pound.

## Flowers

**Chamomile.**—Some Hungarian flowers came on the market at 85c. to $1 per pound. Stocks moderate.

### Price Changes

**Advanced**

Allspice, Mexican, ¼c. per lb.
Arabic gum, 1c. per lb.
Arnica root, 5c. per lb.
Copaiba balsam, 6c. per lb.
Cubeb berries, XX, 4c. per lb.
powdered, 4c. per lb.
Cassia fistula, 7c. per lb.
Colocynth pulp, 5c. per lb.
Clove, Madagascar, ¼c. per lb.
Cinnamon, Ceylon No. 2, 1¼c. per lb.
Colombo root, 5c. per lb.
Doggrass root, 5c. per lb.
Fenugreak seed, ¼c. per lb.
Henbane leaves, 25c. per lb.
Ipacac root, whole, 5c. per lb.
powdered, 5c. per lb.
Poppy seed, Turkish, ½c. per lb.
Peru balsam, 2c. per lb.
Peppermint leaves, foreign, 15c. per lb.
Sloe berries, 14c. per lb.
Saffron, Spanish, $5 per lb.
Tarragon, 5c. per lb.

**Reduced**

Chamomile, Hungarian, 15c. per lb.
Cumin seed, Indian, ¼c. per lb.
Laurel leaves, Greek, 2c. per lb.
Marjoram, Chilean, ½c. per lb.
Paprika, Portuguese, fancy, 2c. per lb.
good, 2c. per lb.
Pepper, black, Lampong, ⅜c. per lb.
white, Java Muntok, ½c. per lb.
small berry Muntok, ¼c. per lb.
red, Japanese chillies, ½c. per lb.
Pimento, Jamaica, ½c. per lb.

### Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 264.5 | 263.7 | 251.2 | 196.0 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Mullein.**—Lower prices may come if domestic production is pressed.

**Pyrethrum.**—Importers still reject Japanese trade terms. Prefer Kenya Colony flowers. Plenty available

### *Imports and Detentions*

Entries of botanicals at the port of New York, since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

| | Bags | |
|---|---|---|
| | Detained. | Entered. |
| Anise | 98 | 1,204 |
| Belladonna | 19 | 19 |
| Caraway | ... | 207 |
| Cardamom (cases) | ... | 1,371 |
| Celery | 85 | 457 |
| Coriander | 12,646 | 29,783 |
| Cumin | 2,989 | 7,336 |
| Digitalis leaves (cases) | ... | ... |
| Dill | 3,118 | 11,743 |
| Fennel | 136 | 1,124 |
| Henbane leaves (bales) | ... | 20 |
| Mustard | ... | 7,192 |
| Poppy | 136 | 1,047 |
| Sage leaves (bales) | 134 | 3,258 |
| Sesame | 340 | 3,403 |
| Stramonium | ... | ... |
| Thyme | 895 | 923 |

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

***Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.***


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✓ORRIS ROOT
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BELLADONNA ROOT
BUCHU LEAVES
COCILLANA BARK
CORIANDER OIL U.S.P.
FENNEL SEED, Indian
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR, Japanese
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
JUNIPER BERRIES
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, Chinese
MALEFERN ROOT
ORRIS ROOT
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there. Difficulty is mainly one of transport.

**Safflower.**—Firm to firmer. Stocks conservative.

**Saffron.**—Spanish flowers rise to $32 to $33 per pound in strong market. Shipping conditions rarely so difficult. Mexican flowers firm. Not very active.

## Gums

**Arabic.**—Higher at 18c. to 18½c. per pound. Sellers highly reserved. Future of supplies depends on ability of shippers to move goods from Sudan to spot.

**Benzoin.**—Sumatra slightly steadier. Fair request.

**Camphor.**—Selling well at full prices. Exceptional call for domestic synthetic.

**Karaya.**—Shipping space not too readily obtainable from India. Market strengthening.

**Tragacanth.**—Fully firm. Good demand. Limited competition. Sellers greatly reserved. Future transport replacement stocks uncertain and costly.

## Herbs and Leaves

**Henbane.**—Held around $2.75 to $3 per pound for anything available. Domestic crop to be main supply source.

**Laurel.**—Greek shaded to 40c. to 41c. per pound. Some Portuguese offered at 34c. to 35c.

**Marjoram.**—Chilean shaded to 9c. to 10c. per pound.

**Peppermint.**—Any foreign leaves obtainable would fetch fully $1.25 per pound.

**Tarragon.**—At least $1.20 to $1.25 per pound would have to be paid. Probably higher. Practically extinct.

## Miscellaneous

**Cassia Fistula.**—Held around 22c. to 24c. per pound. Sellers reserved.

**Colocynth Pulp.**—Sold at 95c. to $1 per pound. Strong and scarce.

**Ergot.**—Strong prices at $2.25 to $2.30 per pound do not completely reflect present cost to replace in Europe.

**Nux Vomica.**—Firm to strong. Replacement slow and costly due to lack of shipping space and high marine and war risk insurance rates.

## Roots

**Arnica.**—Has practically disappeared in most quarters. Nominal at $1.30 per pound.

**Colombo.**—Higher at 20c. to 21c. per pound. Replacement difficult.

**Helonias.**—Shaded to 50c. to 55c. per pound under new crop influence.

**Ipecac.**—Limited stocks. Hard to replace. Whole, $1.70 to $1.75 per pound; powdered, $1.80 to $1.85.

## Seeds

**Caraway.** — Practically a museum piece. No firm offerings.

**Celery.**—Indian seed filling demand at strong prices.

**Cumin.**—Indian shaded to 16½c. to 17c. per pound. All other varieties very firm.

**Fenugreek.** — Quoted 6½c. to 7c. per pound and apparently strong. California stock likely to disappear.

**Poppy.**—Turkish advanced to 30½c. to 31c. per pound. Other prices almost nominal.

## Spices

**Allspice.**—Mexican item higher at 13½c. to 14c. per pound.

**Cinnamon.**—Advanced. No. 2 Ceylon, 23½c. to 24c. per pound. No No. 3 offered.

**Clove.**—Madagascar up to 22c. to 22½c. per pound. Very firm.

**Paprika.**—Portuguese shaded to 35c. to 37c. per pound for fancy quality; good, 29c. to 30c. Algerian, Spanish and Bulgarian unchanged.

**Pepper.**—Black Lampong down to 6.30c. to 6.50c. per pound following establishment of $1,000 margin per contract on exchange. Was $350. Suggested by OPACS price division.

Trading in black pepper futures on the New York Produce Exchange from May 24 to May 29, inclusive, comprised 135 contracts. Following is a price record for the week:—

| | Cents per pound | | |
|---|---|---|---|
| | High. | Low. | Close. |
| March ..... | 6.53 | 6.23 | 6.28@6.33 |
| September ..... | 6.44 | 6.05 | 6.08@6.13 |
| December ..... | 6.52 | 6.16 | 6.17@6.22 |

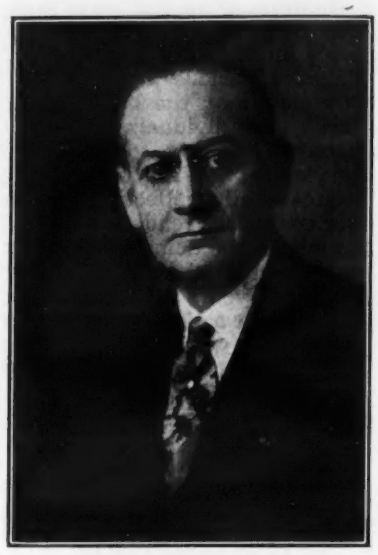
**Pimento.**—Shaded to 27½c. to 28c. per pound. New crop Jamaica, August shipment, quoted 23c. to 23½c.

# *Obituaries*

### Percy E. Anderson

P. E. Anderson, president of the John H. Rodriguez Company, drug broker, this city, who had been closely identified with the botanical drug trade of this city for nearly forty years died of pneumonia May 27 in the Mountainside Hospital, Montclair, N. J., following six months' illness resulting from a heart attack. He was sixty-eight years of age.

Mr. Anderson was born in Montclair, N. J., on July 6, 1873. His first venture into the botanical drug business was made in about 1902 when Lazell, Marsh & Gardner, sellers of



Percy E. Anderson

crude drug and perfume materials in Maiden Lane was disbanded. The crude drug end of the business was taken up by A. U. Andrus, an employee of the disbanded company, and Mr. Anderson became his partner in the company formed then as A. U. Andrus & Co., 7 Gold street. The partnership was dissolved in March, 1905.

Mr. Anderson entered business on his own account and in April, 1910, took over the selling end of the crude drug department of the New York city branch of Parke, Davis & Co., located in Maiden Lane. Between 1910 and 1921, P. E. Anderson & Co., became

*—Continued on page 56*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BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

# Essential Oils, Aromatic Chemicals

**Cananga Higher—Citral Up on Raw Material Shortage—Distilled Lime Advanced—High Call for Vanillin—Substitutes for Natural Products Active**

Less price activity than had been prevalent recently developed last week in the market for essential oils and aromatic chemicals. The shortened week may have had some influence in that direction but in the main the period under review appeared to have been one of those in which a breathing spell permits buyer and seller alike to adjust conditions while awaiting further unfolding of the unquestionably strong market.

Without exception, all cables from primary markets still able to ship goods here indicated strong prices, absence of normal freight facilities, and an upward tendency of values based on available supplies and probable consumer requirements. This was particularly true of goods originating in the Far East from which steamer service continued irregular and far less than normal and at a cost in terms of marine freights, war risk insurance, and the like hardly suggestive of anything but higher spot prices for the future.

Demand on the spot centered heavily in imitations, substitutes, synthetic equivalents, and manufactured compounds produced to take the place of natural products either unobtainable or purchaseable only at a prohibitively high price. Sales volume in such materials was at high levels and the outlook was strongly committed to a probable expansion in such transactions.

### Price Changes

**Advanced**

Cananga, native, 25c. per lb.
rectified, 25c. per lb.
Citral, 25c. per lb.
Lime, distilled, 25c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 204.5 | 204.5 | 196.1 | 108.9 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Essential Oils

**Almond.**—Sweet oil tending higher. Scarcity acute.

**Amber.**—None offered. None expected.

**Amyris.**—Limited stock confined to a few hands.

**Angelica.**—Stocks dwindle. Prices practically nominal.

**Anise.**—No further shading. Steadier undertone. Price differences tend to disappear.

**Apricot.** — Producers firm. Spot stocks moderate. No weakness.

**Bay.**—Apparently well stabilized. Fair request.

**Bergamot.** — Secondhands scouring market for resale supplies. Main business now in synthetic item.

**Camphor.**—Recent arrivals achieve fairly stable price position.

**Cananga.**—Higher. Native, $7.25 to $7.50 per pound; rectified, $7.75 to $8. Stocks very small. Held in two quarters. Replacement slow, difficult, and uncertain.

**Capsicum (Oleoresin).**—More demand. Firmer prices. Less competition.

**Cardamom.**—More stability. Range unchanged at $21 to $26 per pound.

**Cassia.**—Advance maintained. Strong undertones. Moderate stocks.

**Cedarleaf.**—More activity. Orders gain in number and volume.

**Cedarwood.** — Tends still higher. Moving well.

**Celery.**—Prices more stable. Range firm at $21.50 to $30 per pound.

**Cinnamon.**—Firm to stronger undertones. Stocks moderate. Sellers reserved. Range on bark oil very wide.

**Citronella.**—Firm to strong in all markets. Chances for shipping from primary markets slightly improved.

**Clove.**—Very firm. Demand excellent. Prices reflect high production cost.

**Coriander.**—Strongly placed. Raw material in fair supply. Future shipments from Morocco doubtful.

**Croton.**—Steady but quiet.

**Cubeb.**—Oil prices show strength based on rising production cost.

**Cypress.**—Small stocks in strong hands.

**Dill.**—Stocks moderate. Active consuming season developing.

**Erigeron.**—Carryover small. Moderate output expected.

**Eucalyptus.**—Firm to strong undertones. Little competition. Fair call.

**Geranium.**—Recent arrivals changed market values little.

**Ginger.**—Firm. Reflects raw material. Demand routine.

**Hemlock.**—Firm at recent advance. Less competition.

**Juniper.**—No domestic production appears yet on spot market.

**Lavender.**—Practically nominal market. Most dealers lack supplies. Others conserve stocks for regular customers.

**Lemon.**—California production meeting demand test very well. Prices held in stable position.

**Lemongrass.** — Acute scarcity spot stocks. Some oil reported nearby afloat. Being carried as deck cargo. Practically nominal spot market. Strong at source. Little offered.

**Lime.**—Distilled higher at $5.75 to $6 per pound. Gaining strength steadily. Expressed very firm.

**Nutmeg.** — Most producers report ready market for entire production. Competition mainly ignored. Price range overly wide.

**Orange.** — Demand gaining under seasonal influences. Prices very firm. Home production receiving real test of ability to meet needs. Foreign oil increasingly hard to secure.

**Palmarosa.**—Higher and stronger for shipment. Spot tending higher.

**Peppermint.** — Stable but inactive spot market. Lack of adverse crop news. Good acreage under cultivation.

**Rose.**—Natural oil stocks likely to disappear from dealers' stores. Increasing consumption synthetic item.

**Rosemary.**—Excellent activity finds stocks limited. In strong hands.

## Aromatic Chemicals

**Acetophenone.**—Less active but firm.
**Acid, Phenylacetic.**—Quiet. Steady.
**Alcohol, Benzyl.**—Good demand.
**Alcohol, Phenylethyl.**—Prices firm.
**Amylcinnamic Aldehyde.**—Active.
**Amyl Salicylate.**—Quiet but firmer.
**Anethol.**—Excellent demand. Firm.
**Anisic Aldehyde.**—Less active. Firm.
**Benzaldehyde.**—Scarce. Strong.
**Benzophenone.**—Active. Very firm.
**Benzyl Acetate.**—Sales volume up.
**Benzyl Benzoate.**—Routine demand.
**Benzyl Cinnamate.**—Stronger.
**Benzyl Formate.**—Movement fair.
**Benzyl Propionate.**—Steady to firm.
**Benzyl Salicylate.**—Quiet. Steady.
**Benzylidinacetone.**—Call gaining.
**Bromstyrol.**—Stocks conservative.
**Cinnamic Alcohol.**—Small stock.
**Cinnamic Aldehyde.**—Firmer again.
**Citral.**—Up to $3 to $4 per pound.
**Citronellal.**—Volume upped. Firmer.
**Citronellol.**—Excellent demand.
**Diacetyl.**—Gaining strength. Firm.
**Diphenylmethane.**—Quiet. Firm.
**Diphenyl Oxide.**—Well stabilized.

**Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

*Toilet Goods Ass'n, June 9-11, New York.*

The Orange Without A Peer
OIL SWEET ORANGE
Expressed U S P
Many of the nation's largest and most important buyers have found this moderately priced Orange equal, if not superior, to other brands.
Our exceptional position on both the Florida and California cold pressed varieties recommends your immediate inquiry.
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors . . . Since 1895
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO: 221 N. La Salle Los Angeles: 747 Warehouse St.
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
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MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood
by Sole Distillers and Selling Agents
W. J. BUSH & CO.
*INCORPORATED*
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.
IMPORT ESSENTIAL OILS EXPORT
162-164 Front Street Established 1896 New York City

GELLOID
*The Colloid For:*
. . . Stabilizing suspensions and emulsions
. . . Moisture retention in paste dentifrices
. . . Quick, dry lotions
JACQUES WOLF & Co.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

D&O ESTABLISHED IN 1798
OIL PEPPERMINT, Natural
OIL PEPPERMINT, Redistilled
OIL LIME, Distilled
OIL LIME, Expressed
OIL LEMON, Californian
OIL ORANGE, Distilled Californian
On contract or prompt delivery
DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Boston Philadelphia Chicago St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

**Ethyl Benzoate.**—Volume good.
**Ethyl Butyrate.**—Narrow market.
**Ethyl Cinnamate.**—Tends higher.
**Ethyl Oenanthate.**—Fine demand.
**Ethyl Oxyhydrate.**—Routine call.
**Ethyl Propionate.**—Volume gains.
**Ethyl Vanillin.**—Firming steadily.
**Eucalyptol.**—No weakness. Active.
**Methyl Anthranilate.**—Quiet. Firm.
**Methyl Cinnamate.**—Gains strength.
**Musk.**—Prices show strength.
**Phenylacetaldehyde.**—Slow market.
**Phenylethyl Acetate.**—Prices firmer.
**Safrol.**—Sellers show reserve.
**Strolyl Acetate.**—Sales gains hold.
**Terpinyl Acetate.**—Firm to firmer.
**Terpineol.**—No weakness.
**Vanillin.**—Excellent demand. Firm.

## Firmenich & Co. Expands Its Laboratory Facilities

Firmenich & Co., aromatic and perfume specialties, this city, opened its expanded laboratory facilities at a ceremony held recently. The affair, attended by a large number of members of the local perfume, cosmetic, and allied trades, also marked the fifth anniversary of the establishment of the New York firm as sole selling agent of Chuit, Naef & Cie., of Geneva, Switzerland. The enlarged laboratories occupy two entire floors.

## Corn Syrup Held Suitable As Sweetening Ingredient

*Chicago, May 24, 1941*

The Court of Appeals today upheld the petition of the A. E. Staley Company, corn syrup manufacturer, Decatur, Ill., for a reversal of a year-old order by the Secretary of Agriculture which excluded corn syrup as a suitable sweetening ingredient. The company argued that corn syrup is suitable from a nutritional standpoint and a definition excluding it would be unfair to the consumer.

# *Obituaries*

### Percy E. Anderson

*—Continued from page 54*

one of the most active botanical drug houses in this market. On June 1, 1921, the company was merged with the old firm of R. Hillier's Son Company under the firm style of the Anderson-Hillier Company, 99 John street. In April, 1924, the name was changed back to P. E. Anderson & Co.

In July, 1925, the company was bought by S. B. Penick & Co., and Mr. Anderson moved into the Penick organization, serving for about a year as vice-president in charge of sales. During the next few years, Mr. Anderson was inactive but in February, 1931, he was placed in charge of the drug department of the United Chemical & Drug Corporation, a position he resigned in September of that year. In October, he again went into business as Percy E. Anderson, broker, with offices at 90 John street.

Following the death of John H. Rodriguez, prominent essential oil broker, Mr. Anderson in December, 1931, announced his purchase of the brokerage house and he was joined by George Briasco, of A. A. Stillwell & Co., essential oils, to do business as the John H. Rodriguez Company. Mr. Briasco left to become head of the essential oil department of the George Uhe Company, but Mr. Anderson continued to operate the Rodriguez company until his death.

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**Mrs. Arthur F. Corwin,** wife of Arthur F. Corwin, vice-president of the Socony-Vacuum Oil Company, died in Bronxville, May 28.

**Charles J. Martin,** developer of oil lands in the United States and Mexico, and a co-founder of the Tide-Mex Company, an American-Mexican oil company, died May 27 in South Orange, N. J. He was fifty-six years of age.

**Walter B. Pearson,** a retired vice-president of the American Cotton Oil Company, died May 25 at Spring Lake Beach, N. J. He was sixty-six years of age.

**Gustav Valentin,** former vice-president of Palm, Fechteler & Co., decalcomania manufacturer, this city, died May 27. He was seventy-four years of age.

## Penick Co. Names Davis Field Production Head

L. L. Davis has been appointed field director of botanical drug production for S. B. Penick & Co., botanical drug house, this city. The appointment was made with a view to developing widespread production in the United States of many important botanical drugs formerly imported.

Mr. Davis was graduated from Iowa State College in 1932 and a year later took his master of arts degree in horticulture and botany as well as a degree in entomology. In 1934 he worked in the Bureau of Plant Industry, with headquarters at Albuquerque, New Mexico, and in 1935 was appointed head of the department of horticulture and forestry at South Dakota College, Brookings, S. D., where he served until joining the Penick organization. By using Summer vacations, Mr. Davis during this period earned a degree in biochemistry at the University of Minnesota.

L. L. Davis

Botanical drug cultivation in this country has been publicized much in recent months but much of the comment has been based on theory backed by little practical experience, according to the Penick company. Mr. Davis' work will detail considerable pioneering in the practical application of scientific training to domestic agricultural and economic conditions and it is not to be expected that immediate and permanent relief from drug shortages will be achieved, the Penick announcement said. Mr. Davis has headquarters in the home office of the company, this city.

## *Toilet Goods Group To Discuss Supplies*

*—Continued from page 4*

Appointment of nominating committee.
Address of president, Herman L. Brook.
Report of the board of standards, S. L. Mayham, director.
"Legal Trends in the Toilet Goods Industry," Hugo Mock, counsel for the Toilet Goods Association, Inc.
"Latin American Agriculture and Its Relation to Perfume Raw Materials," Dr. E. N. Bressman, assistant director, U. S. Department of Agriculture, Office of Foreign Agricultural Relations, Washington.

### Wednesday, June 11

Open forum for active members of the association.
Election of officers.
What modern women are thinking about cosmetics (forum).
Raw materials and supplies affected by the defense emergency.
Essential Oils—A. L. van Ameringen, van Ameringen-Haebler, Inc.
Oils and Fats—John B. Tuttle, Standard Oil Company of New Jersey.
Metal Products—A. P. Hickcox, Scovill Manufacturing Company.
Minerals and Dry Materials—S. H. Clark, Whittaker, Clark & Daniels, Inc.
Glass Containers—Eugene F. Bertrand, Owens-Illinois Glass Company.
Plastic—J. R. Turnbull, Monsanto Chemical Company.

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**Soda thiosulphate** exports from Japan in the first nine months of 1940 amounted to 3,775,000 pounds.

# What You Can Use

**Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries**

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**Three-hundred-seventy-ninth Instalment**

## Photography

### Solvents Used in Making Photographic Films

*(Continued from May 26 issue)*

Butyl ethylcarbonate
Butyl formate
Butyl lactate
Butyl oxalate
Butyl propionate
Butyl tartrate
Butylcarbitol
Butylcarbitol acetate
Butylcellosolve
Butylcellosolve acetate
Butylglycol
Butylpentaerythritol
Calcitone
Carbitol
Carbitol acetate
Carbon tetrachloride
Carboxylic acid esters of 2-butyloctanol
Carboxylic acid esters of 2-ethylbutanol-1
Cellosolve
Cellosolve acetate
Choral alcoholate
Chloralphenol
Chlorobenzyl alcohol
Chloroform
Chlorohydrin
Coaltar hydrocarbons
Coaltar naphtha
Cresyl acetate
Cresyl ether
Cyclohexane
Cyclohexanol
Cyclohexanol acetate
Cyclohexanone
Cyclohexanyl acetate
Cyclohexene-1 one
Cyclopentanol
Decamphored turpentine oil
Dekalin
Depanol
Diacetin
Diacetone alcohol
Diamylene
Diatol
Dibutyl oxalate
Dibutyl phthalate
Dibutyl tartrate
Di-2-butyloctyl phthalate
Di-2-butyloctyl succinate
Dichloroacetone
Dichlorobenzene
Dichloroethyl ether
Dichloroethylene
Dichlorhydrin
Dicresylglyceryl ether
Dicyclohexyltoluenesulphonamide
Diethyl carbonate
Diethyl ketone
Diethyl oxalate
Diethyl phthalate
Diethyl tartrate
Diethylamine
Diethylbarbituric acid
Di-2-ethylbutyl phthalate
Di-2-ethylbutyl succinate
Diethylcarbitol
Diethyl-1:4-dioxane
Diethyldiphenylurea
Diethylene oxide
Diethylglycol monoacetate
Diethylmalonylurea
Diformin
Dihydroxydiphenyldimethylmethane
Diglycol diacetate
Di-isobutyl ketone
Dimethyl phthalate
Dimethylcyclohexanone
Dimethylcyclohexanone oxalate
2:4-Dimethyldimethylene dioxide
Dimethyl-1:4-dioxane
Dimethylene dioxide
Dioxane
1:4-Dioxane
Dipentene
Diphenyl ether
Diphenylglyceryl ether
Dipropyl ketone
Disolvan Ca and DN
Epichlorhydrin
Epidiformin
Epiformin
Erythritol
Erythritol acetate
Erythritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Esters of 2-butyloctanol
Ethanol, anhydrous
Ethyl acetate
Ethyl acetoacetate
Ethyl acetylglycolate
Ethyl acetylsalicylate
Ethyl alcohol, anhydrous
Ethyl benzoate
Ethyl benzene
Ethyl butylcarbonate
Ethyl butyrate
Ethyl chloroacetate
Ethyl chlorostearate
Ethyl dicresylphosphate
Ethyl ether
Ethyl formate
Ethyl lactate
Ethyl oxybutyrate
Ethyl propionate
2-Ethylbutyl acetate
Ethylene chloride
Ethylene dichloride
Ethylene oxide
Ethylenechlorhydrin
Ethyleneglycol monoacetate
Ethyleneglycol monoethylether
Ethylglycerolchlorhydrin
Ethylglycol
Ethylglycol acetate
Ethylidene acetobenzoate
Ethylidene diacetate
Ethylideneacetone
Ethylideneglycerol
Fenchone
Formic acid ethylester
Formosol
French turpentine
Furfural
Furfuryl alcohol
Fusel oil
Gasoline
Glycerin
Glyceryl acetate
Glyceryl benzoate
Glyceryl cinnamate
Glyceryl formate
Glyceryl maleate
Glyceryl nitrate
Glyceryl oxalate
Glyceryl phthalate
Glyceryl salicylate
Glyceryl succinate
Glycol benzoate
Glycol cinnamate
Glycol diacetate
Glycol esters
Glycol ethers
Glycol monoacetate
Gum turpentine spirit
Heptane
Hercosol
Hexahydrocresols
Hexahydrophenols
Hexalin acetate
Hexalin alcohol
Hexane
Hexyl acetate, secondary
Hexyl-(2-ethylbutyl) acetate
Hexyl-(2-ethylbutyl) alcohol
Hi-flash naphtha
Hydroterpin
Hydroxybenzyl alcohol
Indene
Indian turpentine
Industrial spirits
Iodohydrin diacetate
Isoamyl citrate
Isoamyl tartrate
Isobutanol
Isobutyl acetate
Isobutyl alcohol
Isobutyl citrate
Isobutylethyl ketone
Isoprene
Isopropanol, anhydrous
Isopropyl acetate
Isopropyl alcohol
Isopropyl lactate
Isopropylideneglycerol
Lactic acid butylester
Lactol spirits
Lactones of oxyfatty acids
Mesityl oxide
Metacresyl butyrate
Metacresyl isovalerate
Metaxylene
Methanol, anhydrous
Methyl acetate
Methyl acetoacetate
Methyl benzoate
Methyl chloride
Methyl chloroacetate
Methyl ethers of ethyleneglycol
Methyl formate
Methyl lactate
Methyl phthalate
Methylacetone
Methylamine
Methylamyl acetate
Methylamyl alcohol
Methylanone
Methylbenzoyltrichloroanilin
Methylbenzylchloroanilin
Methylcarbitol
Methylcarbitol acetate
Methylcellosolve
Methylcellosolve acetate
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanol betamethyladipate
Methylcyclohexanol phthalate
Methylcyclohexanol stearate
Methylcyclohexanone
Methylcyclohexanone, isomeric
Methylcyslohexyl acetate
Methylenechlorhydrin
Methylethyl ketone
Methylethylene monopalmitate
Methylethyleneglycol
Methylfurol
Methylglycol
Methylglycol acetate
Methylglycolchlorhydrin
Methylhexalin
Methylhexalin acetate
Methyldeneglycol
Methylisobutyl ketone
Methyl-normal-amyl ketone
Methyl-normal-butyl ketone
Methyl-normal-hexyl ketone
Methylorthotoluylenediamine
Methyloxybutyl acetate
2-Methyl-2-pentanol-4-one
Methylphenyl ether
Methylpropyl carbinol
Methylpropyl ketone
Mineral spirits
Mixed higher esterified alcohols and their derivatives
Monoacetin
Monoacetylethylanilin
Monochlorobenzene
Monochlorhydrin
Monochlorhydrin diacetate
Monochlorhydrin monoacetate
Monochloronaphthalene
Monoethylglycol ester
Monoformin
Monohydroxyalkyl ethers of glycerin

*(To be continued)*

# Petroleum Products

**Further Advances Recorded in Strong Crude and Refined Markets —Corning and Michigan Oils Up—Lubricants Higher in Group 3 and Pennsylvania—Gulf Gasoline Advanced**

Consolidation of recent price advances in crude and refined petroleum markets and reports of further increases in several products featured the market during the period under review. Advances were recorded for Corning grade and Central Michigan crude oil, Midcontinent, California and Gulf Coast gasoline, Midcontinent neutral lubricating oils and Pennsylvania cylinder oils.

Consumption of the vast majority of refined products continued to exceed all seasonal expectations. Refiners in many cases were unable to accommodate all the orders placed with them. Promise of lower freight rates June 11 in the Midcontinent failed to discourage current buying. Solvents and diluents were in extremely heavy demand, while suppliers of the lighter fractions were pressed to fill orders. Crude scale paraffin was very scarce and nominal. Petrolatums and White oils were in good call and firm.

The June allowable for Texas crude oil production was cut 15,902 barrels to a level of 1,362,280 barrels. This is 9,420 barrels below the Bureau of Mines estimate of June demand. The proration order calls for twenty-one production days in all fields except those in the Panhandle, which are permitted to produce 26 days. Removal of 50 tankers from transportation between the Gulf and the Atlantic seaboard was one reason for the reduction.

A bill is scheduled to be introduced in the Pennsylvania general assembly this week recommending that that state join the Interstate Oil Compact. Impetus will be supplied by a group of producers in that state. The producers did not recommend state control, however, and favored passage of a bill similar to that enacted in New York recently, which includes an amendment that water flood development shall not be prohibited.

## Solvents and Diluents

**Aromatic Naphthas.**—Exceptionally heavy demand remained a feature of the market. Offerings were somewhat restricted due to low stocks. Some grades were unavailable. Prices firm. Resale material reported at 1c. per gallon above list.

**Cleaners' Naphtha.**—Good demand. Shipments heavy. Price steady.

**Lacquer Diluent.**—Ordering brisk. New business less active. Price firm.

**Mineral Spirits.**—Heavy demand. Deliveries in good volume. Price firm.

**Rubber Solvent.**—Consumers ordering in large amounts. Inquiries well maintained. Price firm and unchanged.

**Stoddard Solvent.**—Good call. Price steady.

**V.M. & P. Naphtha.**—Market firm. Demand heavy.

### Markets at Other Centers

**Chicago—May 29**

Petroleum solvents and diluents in general are commanding better interest, with demand active and buyers trying to cover their requirements. Paint industry materials for the most part are in good call.

AROMATIC NAPHTHAS.—Good demand, market strong.

CLEANERS' NAPHTHA.—Call steady, firm price.

LACQUER DILUENT. — Movement heavy, market strong.

MINERAL SPIRITS. — Active call, prices hard.

RUBBER SOLVENTS.—Tire people active buyers, steady market.

STODDARD SOLVENT.—Orders good, no price change.

V.M. & P. NAPHTHA.—Demand extensive, price strong.

**New Orleans—May 29**

A firm tone was reflected in the domestic market on cleaning solvent and V.M.&P. naphtha during the past week, with quotations remaining unchanged.

CLEANING SOLVENT.—Normal demand; price unchanged.

V.M.&P. NAPHTHA.—Market routine; price firm.

**San Francisco—May 29**

Movement into consumption remained good during the week and there was a steady call from paint and lacquer manufacturers. No price changes were announced.

AROMATIC NAPHTHAS.—Good demand.

PETROLEUM THINNERS.—Active.

LACQUER DILUENT.—Active.

V.M. & P. NAPHTHAS.—Very good movement.

RUBBER SOLVENT.—Fair.

STODDARD SOLVENT. — Demand good.

CLEANERS' NAPHTHA.—Routine.

**Tulsa—May 29**

Petroleum naphthas were in heavy demand again this week, with refiners being unwilling to quote indefinitely at the higher quotations posted last week, which were well maintained.

CLEANERS' NAPHTHA.—Quiet market. Quotations unchanged.

STODDARD SOLVENT.—Fair demand. Prices steady.

RUBBER SOLVENT.—Call was heavy. Prices strong.

V.M.&P. NAPHTHA. — Broad demand. Quotations unrevised.

LACQUER DILUENT.—Steady bidding. Prices firm.

MINERAL SPIRITS. — Fair activity. Quotations unchanged.

## Lighter Fractions

**Butane.**—Stocks low. Offerings restricted. Demand heavy. Price strong. Reported at resale at 1c. per gallon above list.

**Heptane.**—Movement broad. Price firm.

**Hexane.** — Good call. No price change.

**Octanes.**—Deliveries heavy. Quotations stable.

**Pentanes.**—Scarcer and strong. Second-hands reported selling at 1c. per gallon above list.

**Propane.**—Market tight. Offerings fewer. Good demand. Resale material available at 1c. per gallon above list.

### Markets at Other Centers

**Chicago—May 29**

All grades of the lighter petroleum fractions are commanding more interest and selected products are showing considerable strength. Butane and propane continue to give the best account of themselves. Movement of these materials is good.

BUTANE.—Closely held. Prices strong.

HEPTANE.—Increasing interest, market tight.

HEXANE.—Good call, no price change.

OCTANES.—Inquiries active, prices steady.

PENTANES.—Better interest, no price change.

PROPANE.—Tone strong, prices stiff.

**Tulsa—May 29**

Industries continued to inquire heavily for light fractions despite manufacturers' inability to meet future commitments. Quotations remain strong with increasing supply still being short of current demand.

BUTANE.—Good market. Prices firm.

PROPANE. — Heavy call. Quotations unrevised.

PENTANE. — Steady bidding. Prices firm.

## Petrolatums and Waxes

**Paraffin.**—Supplies of crude scale still very scarce. Offerings limited. Price strong, but unchanged and nominal. Resale material reported at 1c. per pound higher than list.

**Petrolatums.**—Fair demand. Prices firm.

**White Mineral Oils.** — Movement broad. Prices steady.

### Markets at Other Centers

**Chicago—May 29**

Petrolatums and waxes are reported improving in tone and in purchases. Buyers of paraffin are beginning to bid for material. Petrolatums are showing improvement. White mineral oils are in best position in a long time.

PARAFFIN. — Good demand, prices firming.

PETROLATUMS. — Improving call, market prices strong.

WHITE MINERAL OILS.—Demand up, prices stiffening.

**Tulsa—May 29**

Demand for paraffin and petrolatums turned quiet this week and prices were slightly easier.

PARAFFIN. — Market quiet. Prices easier.

PETROLATUM.—Slight activity. Prices unchanged.

## Fuels and Lubricants

**Gasoline.**—Consumption was heavy. Price firm and unchanged.

**Kerosene.** — Demand normal. No price changes.

**Lubricating Oils.**—Pennsylvania cylinder oils advanced ½c. per pound and quoted at 10½c. to 15c. for the 600-630 flash, and 10½c. to 13c. for the 600-650 steam refined.

### Price Changes

**Advanced**

Gasoline, Calif. (f.o.b. San Francisco), trucks, ½c. per gal.
Group 3, at refinery, ½c. per gal.
Gulf Coast, at refinery, ⅜c. per gal.
Oil, lubricating, Group 3, neutrals, ½c. per gal.
Pennsylvania, cylinder oils, ½c. per gal.
Petroleum, crude, bulk, Central Mich., 5c. to 7c. per bbl.
Pennsylvania, Corning grade, 7c. per bbl.

**Reduced**

None

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7**

MASKING PERFUMES for BAD SMELLING PRODUCTS

- DEPENDABLE
- EFFECTIVE
- ECONOMICAL

JAVOLLAL—A substitute for citronella; imparts cleaner, finer odor.
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## Crude Oil Price Changes

Corning grade in Buckeye pipelines was advanced 7c. per barrel to $1.31. Prices in Central Michigan were raised 5c. to 7c. per barrel to level of $1.37 to $1.44 for Midland grade.

## Markets at Other Centers

### Chicago—May 29

Gasoline continues to disclose inordinate strength. Kerosene is in good call. Lubricating oils are active.

GASOLINE.—Orders heavy, prices strong.

KEROSENE.—Demand fair, prices firm.

LUBRICATING OILS.—Good buying, prices firm.

### New Orleans—May 29

A moderately active tone prevailed in the gasoline market, with all grades continuing the upward price trend of last week. A normal demand was on kerosene.

GASOLINE.—Fair demand; the 72-74 price advanced ⅜c. per gallon.

KEROSENE.—Market normal; price unchanged.

### Tulsa—May 29

Another ½c. advance was posted by refiners for all grades of motor fuel. Lubricants were higher.

GASOLINE.—Demand exceeds seasonal expansion. U.S. Motor, 72-72 octane, up ½c. per gallon to 5⅜c. to 5⅞c.

KEROSENE.—Steady demand. Price unchanged.

LUBRICANTS.—Heavy call. Neutrals up ½c. per gallon, with 150-400 9½c. to 13½c., and 200-280 vis. 9½c. to 11c.

## *Purchasing Agents Hear About Defense Problems*

—*Continued from page* 3

In discussing the avoidance of price spirals, Mr. Nelson said:

One important step has been the use of negotiated contracts in place of the traditional way of buying by competitive bidding. Under conditions which have prevailed in recent months, it has too often happened that the highest prices which receive awards on one invitation become the lowest bids on the next invitation; thus prices "step-ladder," as we call it, on successive invitations. Whenever prices seem to be behaving in this fashion the bids are rejected and negotiations are opened with individual bidders. This step repeatedly has led to the saving of millions of dollars to the government and, perhaps even more important, to a distinctly depressing effect on the price of the particular item throughout the whole market. . . .

### Knudsen on Output

Greater speed in production was emphasied by William S. Knudsen, director general of the Office of Production Management.

Reporting that about 14,000 prime contracts and 50,000 to 60,000 subcontracts have been let, Mr. Knudsen declared that "we ought to have at least three times as many." Mr. Knudsen added:—

We, can, of course, work on sub-contracts right now, but I feel that it is essential in order to get the proper speed into the picture that we get more business placed with people that can handle the whole contract, perhaps the biggest one to handle the whole job.

We are setting up certain measures of dealing with critical materials, but so far as the OPM is concerned we would be happy with the minimum possible control from Washington if you gentlemen can help us handle the thing without it. You will have to help us speed it up,

### Inventory Control Seen

The next regulatory steps to be taken by the government will be inventory control supervised by administrative bodies which will compile specific records of all materials of importance in the defense program, Frederick J. Heaslip, chairman of the business survey committee of the association, predicted.

Mr. Heaslip said that American commodity prices are not far from the 1929 levels, and that the prices would have gone still higher except for the price stabilization efforts in Washington. He added that if there had been sufficient machine tools, steels, aluminum and labor to satisfy the overnight requirements of industry last Winter, the volume of production in the United States by now "would have surpassed Germany at her best."

### Henderson on Prices

An expansion of civilian goods to counterbalance dislocations caused by pre-emption of defense resources was held imperative by Leon Henderson, administrator of the Office of Price Administration and Civilian Supply. Mr. Henderson said:—

Once the defense needs have been served, and in the next few months they cannot absorb more than 20 percent of the national production, I want it to be the government's responsibility to see that the greatest amount of ingenuity is exercised to prevent dislocations due to the defense program. I don't think it is necessary for this country to have these disastrous dislocations and a general upset of its economy.

You hear it said that no system under OPACS, with the prospect of $46,000,000,000 of spending, can avoid inflation. If I believed that this were so I should be for a rigid price ceiling on all prices, the price of money, transport, labor, commodities, commissions and payments of all kinds, and I should have been for it early.

We intend by the kind of things that we do to influence supply. Over a period of time, on the uprise and the downturn, in my study of prices I have insisted that the price system is the best regulator for the use and control of resources. I want to see the price system work, but I know that the thing which affects the price system most is adequacy of supply.

I believe that we should have an organized program for civilian needs to help them get adjusted to the dislocations that are caused by pre-emption of defense resources. I believe that you will see in the next few months a tremendous amount of support by American industry for expansion programs, for conservation, for standardization, for simplification and for substitutes.

### Attitude Toward Suppliers

A reasonable attitude toward suppliers, forward planning on requirements and conservative purchasing are three policies which industrial buyers should cultivate under present conditions, W. E. Bittner, purchasing agent for the Diamond Alkali Company, Pittsburgh, urged in speaking on "Wartime Expediting."

Warning the delegates that today's situation has never been duplicated, the speaker said that charts and graphs of previous performances are useless in judging today's problems and the purchasing executive must depend upon his own ingenuity and experience to keep his plant supplied with the materials it needs. Full text of Mr. Bittner's address will be found starting on page 3 of this issue.

### Chemical Group

At the luncheon meeting of the chemical and allied products group, E. J. Parent, of the Mathieson Alkali Works, who acted as chairman, introduced Dr. Carl S. Miner, of the Miner Laboratories, Chicago, who spoke on "Chemistry Moves On."

Dr. Miner told how his laboratories worked with a company and with Purdue University in research work on derivatives of nitroparaffin, to illustrate how his company goes about producing new derivatives and synthetic materials for industry.

The research foundation, he said, is a comparatively new phase which must be taken into account in the chemical industry. The Wisconsin Alumni Research Foundation was one of the first to license industry to utilize the results of its research, he said. Nowadays this type of work is carried on by such foundations rather than by individuals, he added. A serious problem in introducing a new product is that of price, Dr. Miner said because there are not any precedents and no formulas for determining a fair and safe price.

After Dr. Miner's talk there was a round table discussion. Dr. F. W. Russe, of the Mallinckrodt Chemical use of single trip containers, which are likely to become scarce because of the tremendous use of of sheet steel in defense. He said that he was told by Mr. Topping of the Bureau of Explosives that if there was any request or demand from any association for decision as to the re-use of single trip containers, he would see that the matter was brought to the Interstate Commerce Commission for decision.

Dr. Russe read a rough draft of a resolution to the effect that, in order to aid the defense program, the association resolved that the Bureau of Explosives be requested to consider the re-use of single trip containers under regulations and conditions to be prescribed by them. The chemicals group voted to present this resolution to the resolutions committee for consideration. Dr. Russe added that this problem is not acute yet, but it may be next year.

Shortage of tankcars, coal cars, etc., was discussed and it was the consensus that materials shipped in such conveyances should be ordered as soon as possible and the conveyances released as soon as possible so as to avoid any tieup later.

There was a discussion of the purchase of new equipment containing stainless steel and other metals needed for defense, especially where the equipment is needed for non-defense production. The answer was that in all such cases individual application for priorities rating should be made for each piece of such equipment, as there are no blanket priorities, each case being considered on its own merits. Mr. Parent was unanimously re-elected chairman of the group.

## *Effective Association Functioning Essential*

—*Continued from page* 5

riod or periods for the prupose of establishing such quotas.

(4) To collect, compile, or compare data respecting production, sales, orders, shipments, or deliveries of their products for the purpose of determining whether manufacturers have adhered to, or are adhering to, such quotas.

(5) To distribute production, shipment, or price data in such form as to indicate that a manufacturer is or is not adhering to any such quota.

The parties to the consent decree are also restrained from conspiring among themselves or with any other manufacturer:—

(1) To present or discuss, at meetings of manufacturers, or elsewhere, or by correspondence or otherwise, production, shipment, or price data in such form or manner as to indicate that a manufacturer has exceeded any such quota, or that it should limit present or future production, shipments or sales so as to come within any such quota.

(2) To examine or audit the production, shipment, or price records or accounts of manufacturers for the purpose of securing adherence to any such quota.

(3) To allocate, or to refrain from soliciting, customers of manufacturers, or to allocate markets or marketing territories among several manufacturers.

(4) To fix or maintain prices.

(5) To use, or to promote the use of, an estimating manual, or any other handbook or device, for the purpose of fixing or maintaining prices.

The parties to the consent decree are further enjoined from combining among themselves or with any other manufacturer:—

(1) To use, or to promote the use of, predetermined prices for materials, manufacturing operations, or delivery in (a) estimating or pricing, or (b) analyzing production, price, sales, order, shipment, or delivery data of manufacturers for the purpose of fixing or maintaining the prices thereof of two or more manufacturers.

(2) To examine or audit the production, shipment, or price records or accounts of manufacturers for the purpose of fixing or maintaining prices.

(3) To compel a manufacturer (a) to submit copies of invoices to a trade association or like agency, or (b) to name or identify any customer account in connection with the submission of invoices to such trade association or agency.

(4) To authorize a trade association or like agency to disclose customer invoices, or data as to individual transactions with customers, which have been submitted by a manufacturer to such trade association or agency to a competitor of such manufacturer.

*(To be continued)*

## McK.&R. Operating Heads Are Named

The following vice-presidents of McKesson & Robbins have been reelected to serve as general executive officers in charge of the indicated major operating departments, according to William J. Murray, jr., recently elected president of the corporation, in carrying forward the reorganization plan of William J. Wardall, trustee, which was approved by Federal Judge Alfred C. Coxe May 15:—

Purchasing, B. H. Badanes; drug and sundry sales, I. H. Bander; general wine and liquor sales, W. M. Barnett; law and labor relations, Frederic Wingersky; sales and manufacture of McKesson drug products at the Bridgeport plant, W. E. Dewell; research, A. L. Omohundro; exports, J. T. Stebe; heavy chemical division, Charles Hermann; soda fountain division, F. C. Morris; New York wine and liquor division, A. G. Kellner.

The following were reelected to serve as indicated:—

Assistant secretary, R. J. Platt; assistant treasurer. R. E. Both; assistant vice-president, W. C. Ettershank.

Assistant secretaries were named as follows:

New York Offices—Wm. H. Blanc, J. D. Cairns, J. S. Martel, J. A. Robinson and W. E. Titus. Liquor Division, New York—J. S. Sutherland, Russel G. Elson and J. D. Cotler. Bridgeport Manufacturing Division—H. A. Babcock, W. O. Bacon and E. C. Fanto.

L. M. Van Riper was reappointed advertising manager of the company.

**The new board of directors shown at its first meeting. Left to right (from left hand end of table): McKay Van Vleet, Memphis; T. O. Duff, Chattanooga; Leo A. Lanigan, Chicago; B. B. Gilmer, Houston; Jeffrey S. Granger, New York; C. F. Reavis (company attorney); Henry C. Von Elm, New York; Sidney Weinberg, New York; Charles F. Michaels, chairman; W. J. Murray, jr., president; Henry Michaels (secretary); F. X. Downey (company attorney); William J. Wardall, New York; George V. Doerr, Minneapolis; Henry D. Faxon, Kansas City, and J. L. Bedsole, Mobile, Ala. A. H. Van Gorder, of Cleveland, another director, was not present at this meeting. After less than thirty months in reorganization, the drug firm will officially return to private ownership about July 1 when the reorganization plan is formally consummated.**

## Oil Pipeline Bill Favored by House Unit

*OPD Washington Bureau*
*May 29, 1941*

The house interstate and foreign commerce committee today voted to report favorably to the house the Cole bill to facilitate the construction of pipelines for transportation of petroleum and petroleum products.

Before reporting the measure to the house today the committee voted to extend the powers granted to the President to suspend any provisions of the two laws to include also any laws amendatory to the interstate commerce act or the natural gas act. This, it was explained by Mr. Cole, would authorize the President, in the interest of national defense, to suspend provisions of the Elkins act.

# Fertilizer Materials

**Henderson Requests Continuance of Ammonia Sulphate Prices —New Season Potash Salts Prices Effective—One Producer Revises Schedule—General Market Slow—Blood Lower**

The Office of Price Administration and Civilian Supply last week requested producers and distributors of sulphate of ammonia to continue formal price quotations now current for this commodity. In making the request, Leon Henderson, administrator, pointed out that there has been some tightness in the supply of this commodity but there is no justification for an increase in price, since the coke industry has been operating at capacity for many months.

The third of the large producers of domestic potash salts issued a price schedule last week. Compared with the 1940-41 list, 60 percent muriate was unchanged and advances were recorded in 50 percent muriate, 90 percent sulphate of potash and 40 percent sulphate of potash magnesia. One prominent producer revised his schedule and further advanced the price on 50 percent muriate. The announcement stated it was a move to discourage buying of this grade. Importers of Chilean nitrate of soda had as yet not reported on 1941-42 prices.

The general market was more sluggish during the season. Movement was slow except in the northern sections of the Midwest and New England. Prices on blood at Chicago and on imported material were reduced. Hoofmeal was advanced slightly. Cottonseed meal was lower.

## Nitrogenates

**Ammonia Phosphate.** — Supplies tight. Demand small. Price firm and unchanged.

**Anhydrous Ammonia.**—Market normal. Stocks low. Prices steady.

**Calcium Nitrate.**—No offerings.

**Castor Pomace.**—Market slow. Price firm.

**Cyanamid.**—Sluggish movement. No changes.

**Dried Blood.**—Chicago price reduced 10c. per unit to $3.15. Imported lowered 5c. per unit to $3.05.

**Fish Scrap.**—Dried menhaden futures stronger. Fishmeal firm, with movement slow.

**Hoofmeal.**—Advanced 5c. per unit to $2.70 to $2.75, f.o.b. Chicago.

**Manganese Sulphate.**—Interest light. Price steady.

**Nitrate of Soda.**—Importers not yet decided on new price. As reported, domestic material in bulk will be unchanged through the end of the year.

**Nitrogen Solution.**—Movement narrow. Price firm.

**Nitrogenous Material.** — Movement fair. Price steady.

**Sulphate of Ammonia.** — Demand slack. Movement light. Price firm. Resale material offered at about $2 to $3 per ton above list. The OPACS has requested that the price for 1941-42 remain unchanged.

**Tankage.** — Domestic movement slow. Prices firm. No imported material being shipped.

## Phosphates

**Bone Materials.**—No changes. Supplies of imported product tight. Imported raw material offered at $2 per ton above list by resellers.

**Phosphate Rock.**—Unchanged. Demand slack.

**Superphosphate.**—Advance possible. March bulk production totaled 435,675 short tons, compared with 384,548 in February and 351,000 in March, 1940.

## Potashes

The third of the four large producers of domestic potash salts issued a price schedule last week for the 1941-42 fertilizer year. Compared with the company's last schedule, 60 percent minimum muriate of potash is unchanged at 53½c. per unit of $K_2O$; 50 percent minimum is advanced 1½c. per unit to 55c.; basis 90 percent $K_2SO_4$ is advanced $2 per net ton to $36.25, and sulphate of potash magnesia, minimum 40 percent $K_2SO_4$, is $1 per net ton higher, at $26. Prices are in bulk, ex-vessel, Atlantic and Gulf ports. Seasonal discounts are as follows:—

On orders placed prior to July 1, for delivery during June or in equal monthly quantities from July 1 to March 31, 1942, an 8 percent discount will be allowed. An additional 4 percent discount will be allowed upon delivery of the entire tonnage.

On orders placed after June 30, 1941, price list will apply.

One prominent producer announced a revision in the schedule issued. The price of 50 percent muriate of potash, previously announced at 55c. per unit, ex-vessel Atlantic and Gulf ports, was changed to 58c. This amounts to a 4½c. per unit increase over the 1940-41 price. The announcement of the revision read:—

The trade is aware of the fact that in order to manufacture 50 percent muriate it is necessary, first, to manufacture the high grade 60 percent muriate and then dilute that to the lower grade material. This is uneconomic under present emergency conditions. Furthermore, in view of the shortage of cargo space, it is advisable in the interest of national defense to discourage the shipment of 50 percent material when 20 percent more potash can be handled in the same space by the use of 60 percent material, which is equally, if not more, desirable in the manufacture of fertilizer. This is also true in the case of all-rail shipments.

## Sulphur and Pyrites

Crude sulphur movement remained fairly large, with scattered inquiries appearing. Price was firm and unchanged. Stocks in producers' hands were reported ample for the near future.

### Price Changes

**Advanced**

Hoofmeal, 17-18%, 5c. per unit, f.o.b. Chi.

Potash, muriate, dom., 50% $K_2O$ minimum, 1½c to 4½c. per unit.

sulphate, 90%, $K_2SO_4$, bulk, $2 per net ton.

magnesia, 40%, $K_2SO_4$, bulk, $1 per net ton.

**Reduced**

Blood, dried, dom., 10c. per unit, f.o.b. Chi.

imp., 5c. per unit, c.i.f. ports

Cottonseed meal, $1 per ton, Southeast mills.

Potash, manure salts, run-of-mine, 28.8c. per unit, f.o.b. Carlsbad, N.M.

### Comparative Values

Index numbers compiled from four typical fertilizer materials, the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 68.0 | 68.0 | 68.0 | 67.0 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7**

**Association Meetings**

*Nat. Fert. Ass'n., June 9-11, White Sulph. Sprs.*

### Markets at Other Centers

**Atlanta—May 29**

Nitrate of soda is the only fertilizer material now active in the market. General trade slow. Cottonseed meal was reduced $1.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

COTTONSEED MEAL.—8% meal, $26 to $26.50 per ton, Southeast.

**Baltimore—May 29**

The market for crude fertilizer materials is quiet, with only fair buying interest reported.

FISH SCRAP.—The local market is still regarded as $4.40 per unit-ton, with buying interest for the present not active.

SUPERPHOSPHATE.—Market quiet, Price firm, with advance anticipated.

DRIED BLOOD.—The market is easy, with offers at $3.25 per unit-ton

TANKAGE.—Offers of 11 and 12 unground stocks have been made at $3 and 10c. per unit-ton. No figures for the South American ammoniate are available.

**Chicago—May 29**

Trade is quiet in the general fertilizer materials market. Blood is the subject of fair interest. Tankage orders are reported fair. Bone materials have been a little irregular.

BLOOD.—Principal grade, $3.15 per unit.

TANKAGE.—High grade, feeding, $3.50 and 10c.; hoof-meal, $2.70 to $2.75; liquid stick, $1.55 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $35; 4½ and 50 percent, $34; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $32.50 to $37.50; beef cracklings, soft pressed, $37.50 to $40; pork cracklings, soft pressed, $40 to $45; hard pressed cracklings, per unit of protein, 75c. to 80c.

**San Francisco—May 29**

Feature of the week was the heavy business in fish meal, out of the new season's crop, starting in August. Prices on meal both here and at Monterey were uniform at $67.50 per ton and the demand was very good. The trade estimates at this date that approximately 20,000 tons of the new season meal have moved into contract by now.

SULPHATE OF AMMONIA.—Domestic, $38 per ton.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk lots at $27.

AMMONIA PHOSPHATE.—Last indications from sellers on following basis:—Eleven and 48 percent material at $56 per ton, port basis. Sixteen and 20 percent, $46, port basis. $1 per ton higher for inland delivery.

FISH MEAL.—Futures, delivery out of new crop, quoted at $67.50 per ton for 67 percent protein material, San Francisco Bay points. Monterey, 65 percent protein, at $67.50.

TANKAGE.—Unchanged. Dry-rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55 percent, $54. Unground, dry-rendered, 90c. per unit of protein, f.o.b. cars, South San Francisco. Wet-rendered, nominally at $3.25 and 10c.

BLOOD MEAL.—Quoted at $3.15 per unit, f.o.b. cars, San Francisco. $3.30, Los Angeles.

BONE MEAL.—Quoted at $29 to $35 per ton, delivered.

## *Ammonia Sulphate Price Peg Asked*

*—Continued from page 4*

He said that there appears to be no warrant for a so-called "outside" or "export" market such as has developed in sulphate of ammonia during the past season. This was not at all times a genuine export price but to a considerable extent represents speculation, he explained; and he added:—

If it becomes necessary to prevent the development of such an outside or export market at prices in excess of those maintained by reputable distributors and producers, the Office of Price Administration and Civilian Supply will place a price ceiling on ammonium sulphate at current levels.

He asked producers and distributors to inform his office well in advance of any contemplated action looking toward higher prices.

★ Domestic SULPHATE OF AMMONIA AND AMMONIA LIQUOR
MADE IN U.S.A.
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Free From
ARSENIC, SELENIUM AND TELLURIUM
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(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

# Wartime Expediting

—*Continued from page 3*

striving so hard. Our government is not deliberately trying to cause shutdowns in what may be termed nonessential industries. Certain regulations have been authorized which make it difficult, if not impossible, to secure supplies in time for our requirements. What are we going to do about it?

So far as I know, there is nothing that can be done until the present crisis has passed, either through satisfaction of the demands of the national defense program or by increases in productive capacities, or a combination of both. You will say:—What will happen to our plants pending such conclusions? I do not know the answer to that, but I do know that America is doing all in its power to complete a gigantic and costly program, the cost of which is going to weigh heavily on all of us, not only in taxes, but in many cases cause a complete change in what we have been doing—in our civil and industrial lives. There are today many companies engaged in what has been termed nonessential business. Either they must change to manufacturing essential items or by the use of substitutes continue in their same line on what be a considerable reduction in production and profit.

Many of us are in businesses which are now termed essential but since we do not have direct government contracts, suffer from that social ban—"What, no priorities?"

Let us suppose that authorization has been made to extend present manufacturing departments in your plants or go into the manufacture of a new line of materials or equipment. How are you going to secure everything that is required in time to complete the predetermined construction schedule?

## Construction and Equipment

A construction schedule should not be made without your having gone over all the items with your engineering and design departments. If you are not acquainted with the materials and supplies necessary, have them go over all the details with you. These departments are just as anxious as you are to complete work on schedule and they will cooperate in every way. Your knowledge of what is happening in the markets will indicate the items which will require a longer time to obtain. Then, by having the departments concerned work first on those, you may be spared the sight of seeing a stack erected but no boiler to go with it. Keep in constant touch with the engineering and construction work by frequent visits to your plants and by consulting with superintendents and foremen as to progress and deliveries required on unshipped materials. Keep in touch with the various departments as to the possibility of substitutes. There are many pieces of equipment and kinds of materials that may be used in place of what you have been using. Consider, just for example, the old earphone radio. The phones and the little pieces of galena are still capable of giving excellent reception although they have long since been discarded in favor of super-super-heterodynes.

Obsolescence destroys the value of goods that have many years of wear left in them. You may partially agree but counter with the statement that present equipment is more efficient, and if you do, I will agree with you —also partially. What is the value of a glass of water? In this room practically nothing, but in the middle of the Sahara Desert ——?

Another point that should not be overlooked is the use of standard equipment. What is standard equipment? Seemingly none agree, for some of us prefer to build a house as we cannot find one to suit what we call our requirements; need different cuts in clothes, kinds of ties, hats, etc. I am not referring to that kind of equipment. It is hard to believe that there are many companies in business today, regardless of what they are manufacturing, who do not produce what they believe to be the best possible. Difference of opinion is what caused the first horse race and also is one of the reasons for many companies making a line of goods which compares at least in name and description with those offered by others. This statement does not apply to all materials and equipment for there is a little matter known as freight charges which has a bearing on sales of companies manufacturing the same line of materials.

To design new equipment today or at any other time requires many hours and also a considerably longer time to produce. It is very possible that standard equipment can be had from the shelf which will do the work. Should events prove otherwise, you will have had the benefit of going into production much sooner than otherwise, and today that is of prime importance. For example, during the past ten or fifteen years engineers have competed with one another in specifying changes in pressure, temperature, and design of steam boilers. Nearly every new boiler purchased was a new design which not only required new drawings but new patterns, dies, and jigs. This resulted in tremendous improvement in boiler efficiency but under present conditions a great deal of time can be saved, and no efficiency lost, by selecting a boiler of a design which has already been built. This is true of many other pieces of equipment.

## Buyer-Seller Cooperation

I believe that all companies in business today want to and will do all possible to take care of their regular customers, but it will require the utmost in cooperation between seller and buyer. When you are pressed for shipment, see your supplier, tell him honestly just what your position is, and I am firmly convinced that if it is at all possible he will help you. If he does not help, it is only because it is impossible. I remember a case in the last war that bears repeating for it is indicative of the spirit then and there has been no change since. In this case, a certain company shipped a carload of one of its products to a contract customer. Three days later they were asked by one of their friends to ship immediately a carload of this same material. No extra production was available so the manufacturer tried to locate a car elsewhere and was successful. Imagine their surprise when the car purchased proved to be the same car shipped three days previously to the contract customer. When the bill of lading was received, it carried five signatures showing clearly that the car had changed hands five times in the three days since it had left the manufacturing plant. Such acts as this during the past war—and there were many—resulted in contracts now being written with the clause that materials furnished under that contract will be only for consumption in the buyer's plant. Who made that clause necessary?

A lot of effort in trying to secure shipments can be eliminated by planning and thinking ahead. Do not be unreasonable in your demands on suppliers. Because you have only sixty days' stock, do not expect or demand that your supplier change his schedule and ship your orders next week when shipment in thirty days will help him and not hurt you. Of course, it is hard to estimate your future requirements but a conservative estimate times two seems to be a better formula than the factor of either eight or ten times the estimates that might have been arrived at after overhearing a conversation between a member of the California Chamber of Commerce and visitor to that fair country. "Do you mean to say that you have 365 days of sunshine in California every year?" "Exactly so," said the chamber of commerce man, "and it's a mighty conservative estimate!"

When you do place orders covering your future requirements, space deliveries, please do not have it all shipped at once. To do so is going to make worse what is now a real bad situation. Then again you have protection in spacing deliveries, as all wars and emergencies eventually come to an end and when this one ends you may be spared a painful liquidation of inventory, as it is not unbusinesslike to cancel any unshipped and uncompleted materials. This procedure carried out with reliable suppliers will save many a headache and explanation. Buying far into the future is hazardous and under present conditions many such purchases must necessarily include escalator clauses and "prices-in-effect" clauses. Many of us are not in sympathy with the idea of buying so far ahead, but do not see any alternative. It will be easy to explain to the management after this is over why we have stocks sufficient to carry us for four months, but it is impossible to explain why a department or plant is shut down due to lack of materials or supplies. What must you do or can you do when your source of supply tells you that, if you do not within the next two weeks place orders for the fourth quarter delivery or for the first quarter of next year, they will not have space available? There has been some "scare" buying and also, may I say hoarding. One company had a defense order requiring 100 tons of steel plates and had proper priorities to secure prompt shipment but unfortunately they sent their order to the mill for 150 tons. The steel company knew of the job and the tonnage required. It is needless to tell you that the extra 50 tons were cancelled from the order but it did not end there. Every order from that company is now carefully checked by the steel company, and a certain buyer is having a hard time securing shipments which ordinarily would have come to him in due course.

We have only so many favors to ask of suppliers and expect to have them granted. Why make an issue of, say for example steel, trying to and securing a quick shipment of 20 tons and then shortly after find that a considerably larger tonnage is required for the construction of a new building? Why not pick up the smaller tonnage from a warehouse but let the steel company know that you did and save your requests for a favor until it means real dollars? I am not advocating buying warehouse steel or warehouse anything; but these times are entirely different, so our methods should be entirely different.

## Professional Expediters

We all buy equipment that is not carried in stock, even requiring several months to manufacture in normal times. Some companies have professional expediters who stay in the supplier's shop continuously in an effort to anticipate or at least hold the promised shipping date. What I am going to say is just my opinion which was reached after discussions on the subject with representatives of several large companies, each of whom usually have in their plants many expediters who check in at 9 a.m. and leave at 5 p.m. A kibitzer watching a card game or anything else soon gets into trouble, maybe not openly but the effect is there, not with the people in the offices but with the foreman and workmen throughout the plants. I believe that by your calling at the supplier's plant, meeting with the superintendent and foreman, through contacts in the supplier's offices, you can explain your need and know it will be understood by men who probably in the past have had delays in finishing work by failure to secure equipment. The fact that you have been to the plant certainly shows you need and will be more productive of results. Maybe we think we don't have time to do this, but it is surprising how a little planning will give the time required. Further if it secures the desired results, the time has been well spent.

Some delays in securing deliveries are caused by "scare" buying, shipments of which must be made within a certain limit of time to protect price in effect at time order was placed. Often an order is placed to cover many months' requirements which multiplied by hundreds of orders results in a complete sell-out and extended delivery for the ones who did not rush to cover. This rush for price-protection often causes loss unless you weigh carefully what the actual saving will be. Storerooms were not built to carry nine to twelve months' supplies, so give consideration to what extra cost of handling will be before loading up with items on which the gross saving may be only 5 percent. Many of the so-called "tips" on price advances are just about as worthless as a tip on stocks or a horse in the Preakness. This is certainly applicable today when the government is earnestly working to maintain fair price levels.

There are ways in which we all can relieve congestion in some markets and at the same time secure deliveries that are now extended. At least one seller of zinc will trade pound for pound for dross, with, of course, a determined price differential between the two. A real check through your plant will often unearth many items of scrap for which there is a real shortage. The steel producers we are told are hard pressed for scrap. For every ton of iron and steel scrap sent to the steel mills there is a saving of 2 tons of iron ore, 1½ tons of coal, and half a ton of limestone. Just think of the tremendous saving in water and rail transportation alone! Waste paper is again in heavy demand. We all accumulate some and it is necessary to gather it if for no other reason than to burn it. Very little more labor is required to bundle and sell it, and the dollars received will more than pay for the extra labor involved in helping to solve one of the many supply problems.

With the various restrictions that have been placed upon companies who do not have priorities, it will probably be a very short time until restrictions must necessarily be placed upon stocks carried by those who are now protected by priorities. Are companies with defense contracts requiring a year or more to complete, trying to and succeeding in securing at once all the materials required to save what possibly might mean real dollars should the price situation get out of hand? Should such be the case, it is going to mean dollars in completing work required by others for the defense program as well as more priorities, control of inventories, and shortly increase the problem of all of us. I firmly believe that all of us are for an "all out" program and will give every help possible but this program will not reach the goal, when and as needed, unless there is real cooperation between everyone. Mr. John D. Biggers, director, Division of Production, OPM, has recently said:—"Total national effort is demanded. Let us each resolve to contribute our part to that effort."

We must never forget that the needs of the defense program are now and will remain first. Production of all essential commodities will be elevated to the highest level just as rapidly as is possible and to the utmost extent. Where the result is a shortage and demand is increased by desire to secure stocks well ahead of needs, we must not permit distribution of whatever remains to be made by outbidding one another but rather according to our needs. The surest way to increase production is to permit producers to earn a profit, to the point of laying aside a part of this profit, for the day when this is over. Mr. Leon Henderson has said "Legal punishments are not a substitute for additional supplies in holding prices down. If we get to the point where we are relying on legal punishment, then we will have reached the top of our productive effort." Real cooperation between sellers and buyers will be of more good to all concerned than edicts.

## Friendly Relations

And, what do all these words have to do with securing equipment and supplies during these times? If I knew the answer my hair would be black not gray, and my forehead would not have taken on a washboard complex. So far as I know the answer would be the same as we have often heard to the question—"How old is Ann?" Some people say that the wheel that squeaks gets the grease—if grease is available. We all have a few friends in this world, besides our families, who are glad to see us. During past years we have had contacts with suppliers and manufacturers, not only with the sales but also with the operating departments. Maybe they will help.

You not only have a buying job to do, but also one of selling, selling yourself and your problems to people who can help you. Be honest in your statements as to your needs. If necessary, place orders well in advance of your requirements, notwithstanding that you do not know what the invoice price will be—such orders are really not orders, but you are protecting yourself on forward schedules. Should time prove that you do not need these commitments, then it is reasonable to believe the same situation will prevail throughout the

—*Continued on page 64*

# Industrial Uses of Chemicals and Related Materials

**Producer's Guide to New Markets** *Formerly Styled "Where You Can Sell"* **Technical Information for Processors**

Fully protected by copyright

## Seven-hundred-fifty-first Recapitulative Instalment

### Beta'-diethylaminoethyl-betavinyl Normal Nonoate

**Pharmaceutical**

Claimed (Brit. 483704) as—
- Medicinal product having marked spasmolytic properties and only very slight toxic action

### 4-Betadiethylamino-ethylamino-2-methyl-7:8-benzoquinolin

**Pharmaceutical**

Claimed (Brit. 4818874) as—
- Colorless product useful in destroying blood parasites (malaria), amebae, and worm infections

### Butylphthalyl Butylglycolate

**Adhesives**

Plasticizer and solvent in—
- Adhesive compositions containing cellulose acetate, nitrocellulose, or synthetic or natural resins

**Cellulose Products**

Plasticizer and solvent for—
- Cellulose acetate (depends entirely on the acetyl content)
- Nitrocellulose

**Ceramic**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used as coatings for protecting and decorating ceramic products

**Chemical**

Plasticizer and solvent for—
- Cellulose acetate
- Chlorinated rubber
- Most synthetic and natural resins
- Nitrocellulose

**Cosmetic**

Plasticizer and solvent in—
- Nail enamels containing nitrocellulose

**Electrical**

Plasticizer and solvent in—
- Insulating compositions, containing cellulose acetate or nitrocellulose, used for covering wire and in making electrical machinery and equipment

**Glass**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

**Leather**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

**Metal Fabricating**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used as coatings for decorating and protecting metallic articles

**Miscellaneous**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used as coatings for protecting and decorating articles of various sorts

**Paint, Varnish, and Lacquer**

Plasticizer and solvent for—
- Cellulose acetate (depends entirely on the acetyl content)
- Chlorinated rubber
- Most synthetic and natural resins
- Nitrocellulose

Plasticizer and solvent in—
- Paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate, nitrocellulose, natural or synthetic resins, or chlorinated rubber

**Paper**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

**Photographic**

Plasticizer and solvent in making—
- Films from cellulose acetate or nitrocellulose

**Plastics**

Plasticizer and solvent in making—
- Laminated fiber products
- Molded products
- Plastics from nitrocellulose, cellulose acetate, or synthetic or natural resins

**Resins**

Plasticizer and solvent for—
- Most synthetic and natural resins

Plasticizer in—
- Resin - nitrocellulose compositions and solutions

**Rubber**

Plasticizer for—
- Chlorinated rubber

Plasticizer and solvent in—
- Compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting rubber goods

Swelling agent for—
- Crepe rubber

**Stone**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used as coatings for decorating and protecting artificial and natural stone

**Textile**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose, synthetic or natural resins, or chlorinated rubber, used in the manufacture of coated fabrics

**Wood**

Plasticizer and solvent in—
- Compositions, containing cellulose acetate, nitrocellulose or synthetic or natural resins, used as protective and decorative coatings on woodwork
- Plastic compositions, containing cellulose derivatives, or synthetic resins, and fillers, used for various purposes in repairing and finishing wood

### Dihydroxystearic Acid

**Chemical**

Reactant in—
- Organic syntheses

Starting point (Brit. 416631) in making—
- Nitriles, with ammonia

### Dimethylmethyl-enediamine, Unsymmetrical, Hydrochloride

**Rayon**

Delustering agent (Brit. 503548) for—
- Viscose rayon

### Di-N-butyl Disulphide

**Petroleum**

Stabilizing agent (Brit. 462146) for—
- Viscous, highly refined mineral oils, such as transformer oils, lubricating oils, and the like

### Potassium Nitrate

*(Continued from May 26 issue)*

**Miscellaneous**

Actuating agent (U.S. 1423330) for—
- Pressure generator

Ingredient of—
- Antifreeze composition (U.S. 1363816)
- Chemical heater (U.S. 1506322 and 1506323)
- Cigar-lighter composition (U.S. 1245837)
- Cleaning cloth impregnating composition (U.S. 1489573)
- Grease-removing composition (U.S. 1496506)
- Incense composition (U.S. 1216710)
- Metal polish (U.S. 1457857)
- Rustproofing (U.S. 1247086)
- Rust remover (U.S. 1439780 and 1496506)

Pickling agent for—
- Candle wicks

Oxidizing agent (U.S. 1447892) in smelting—
- Ores

Process material (U.S. 1203372 and 1203375) in flotation of—
- Lead sulphide ores
- Zinc sulphide ores

**Paint, Varnish, and Lacquer**

Nitrating agent (U.S. 1198129) for—
- Rosin
- Rosin oil
- Woodtar creosote

Oxidizing agent (U.S. 1484088) in making—
- Chrome yellow
- Lead chromate

Process material in making—
- Fireproof varnish and paint (U.S. 1248092)
- Paint (U.S. 1260012)
- Silver paint (U.S. 1438799)

**Paper**

Process material (U.S. 1248092) in making—
- Fireproof sizing for paper

Treating agent (U.S. 1130817) for—
- Cellulose sulphite liquor

**Petroleum**

Nitrating agent (U.S. 1198129) in making—
- Nitrated kerosene
- Nitrated lubricating oil
- Nitrated mineral oil
- Nitrated petroleum
- Nitrated shale oil

**Pharmaceutical**

In compounding and dispensing practice

In veterinary medicine

Suggested for use as—
- Antiseptic
- Diaphoretic
- Diuretic
- Refrigerant

**Photographic**

Ingredient (U.S. 1431900 and 1434453) of—
- Antistatic photographic film

**Plastics**

Process material in making—
- Formaldehyde-urea condensates (U.S. 1460606)
- Molded article (U.S. 1441570)

**Rock Products**

Ingredient (U.S. 1242236) of—
- Chalk slurry
- Clay slurry
- Limestone slurry

**Rubber**

Oxidizing agent in—
- Fuel package for vulcanizers (U.S. 1327175)
- Vulcanizing fuel (U.S. 1209206)

**Textile**

Process material (U.S. 1254914) in—
- Dyeing with—
  - Logwood
  - Other vegetable dyes

**Tobacco**

Even-burning promoter in treating—
- Tobacco

Preservative and impregnating agent (U.S. 1518944) for—
- Cigaret wrapper
- Pipe tobacco cartridge

Taste improver in—
- Tobacco

### Trifluorochloromethane

**(Monochlorotrifluoromethane)**

**Refrigeration**

Substitute for—
- Ethane and ethylene in machines for obtaining low temperatures

### Zein

*(A protein — prolamine — extracted from corn)*

**Food**

Base material in making—
- Grease-resistant coatings (formulated) for food containers

**Ink**

Bodying agent in—
- Anilin inks

**Miscellaneous**

Base material in making—
- Water-resistant coatings (formulated) for various uses

**Paint, Varnish, and Lacquer**

Starting point in making—
- Coating formulations said to be good carriers for aluminum or bronze powders and pigments

**Plastics**

Resinous material for—
- Impregnating purposes
- Laminating purposes
- Molding purposes

Starting point in making—
- Plastics claimed to be tough, hard, not brittle, easily machined

**Resins**

New resinous material offering following characteristics—
- Dispersible in water with neutral sulphonated castor oil
- Forms a brittle film requiring a plasticizer or other modifying agent
- Insoluble in water, dilute acids, anhydrous alcohols, turpentine, most esters, oils, fats, ethers, ketones, chlorinated solvents, petroleum and coaltar hydrocarbons, ammonia, borax, sodium carbonate, potassium carbonate
- Nontoxic
- Odorless
- Soluble in aqueous alcohols, organic acid solutions, dilute (0.5 percent) sodium hydroxide or potassium hydroxide solution, dilute ethylenediamine or monoethanolamine solution, liquid ammonia, and strong solutions of urea
- Specific gravity, 1.226
- Tasteless

**Uses and Applications** *of Chemicals and Related Materials*

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

# Shipping Information

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## Imports at U. S. Ports

### New York Imports

ACID, TARTARIC—66 cks, Leghorn Trading Co, Buenos Aires
396 bbls, Atlantic Freighting Co, Barcelona
260 bbls, Seatrain Line, Barcelona
360 bbls, Maritime Shipping Co, Barcelona

ALOE—17 cs, Bombay
49 cs, Wessel, Duval & Co, Puerto Cabello
24 tins, Wessel, Duval & Co, Puerto Cabello

ANISE—57 bgs, Public National Bank Trust Co, Vera Cruz
46 bgs, Public National Bank Trust Co, Vera Cruz
18 bgs, W Bernstein, Callao

ANNATTO SEED—112 bgs, Pablo, Calvet & Co, Kingston

ANTIMONY ORE—1,615 bgs, Banco Minero de Bolivia, Antofagasta

ARROWROOT—100 bbls, Morningstar Nicol, St Vincent
3,400 bgs, Morningstar Nicol, St Vincent

ASBESTOS—3,000 bgs, Johns Manville Corp, Lourenco Marques
1,400 bgs, National City Bank, Beira
667 bgs, Davies, Turner & Co, Beira
1,000 bgs, Commercial National Bank Trust Co, Beira

BAY RUM—41 dms, Bornn Dist Co, Inc, St Thomas

BISMUTH LEAD—500 bxs, Cerro de Pasco Copper Co, Callao

BONES—645 bgs, American Agricultural & Chem Co, Barranquilla

BRISTLES—5 cs, Delbaeur & Meyer, Bombay
5 cs, H Rosenhirsch Co, Bombay

BUCHU LEAVES—15 bls, R J Prentiss & Co, Capetown

CALCIUM TARTRATE—4 bgs, F Marti, Valparaiso
446 bgs, Chase National Bank, Buenos Aires
205 bgs, Charles Pfizer & Co, Alicante

CANARY SEED—420 bgs, H S Cramer & Co, Buenos Aires
847 bgs, R T French Co, Buenos Aires
316 bgs, National City Bank, Buenos Aires
412 bgs, Wagner Bros Feed Co, Buenos Aires

CARDAMOM—42 half chests, 1 cs, J S Toledano & Pinto, Colombo
21 cs, S B Penick & Co, Colombo
12 cs, S B Penick & Co, Colombo
9 cs, Knickerbocker Mills Co, Colombo

CASEIN—334 bgs, National City Bank, Buenos Aires
850 bgs, Casein Co of America, Buenos Aires
835 bgs, H S Cramer & Co, Buenos Aires
834 bgs, T M Duche & Sons, Buenos Aires
834 bgs, Eugenio Lang, Buenos Aires
417 bgs, H S Cramer & Co, Buenos Aires
834 bgs, Chase National Bank, Buenos Aires
500 bgs, Packing Product Co, Buenos Aires
834 bgs, National City Bank, Buenos Aires
935 bgs, Casein Co of America, Buenos Aires
2,000 bgs, American British Chemical Supplies, Buenos Aires

CASSIA VERA—200 pkgs, D G Evans Coffee Co, Padang
310 pkgs, A G Dunn, Padang
373 pkgs, A G Dunn, Padang

CASTOR BEANS—1,354 bgs, Bunge North American Grain Co, Pernambuco
1,700 bgs, Baker Castor Oil Co, Pernambuco
1,665 bgs, Bunge North American Grain Co, Pernambuco
825 bgs, Baker Castor Oil Co, Ceara
2,500 bgs, Baker Castor Oil Co, Ceara
1,650 bgs, Spencer Kellogg & Sons, Ceara
1,650 bgs, Baker Castor Oil Co, Ceara
800 bgs, Baker Castor Oil Co, Ceara
2,300 bgs, Spencer Kellogg & Sons, Ceara
4,000 bgs, Baker Castor Oil Co, Ceara
25 bgs, Ceara
825 bgs, Arnold Darr & Co, Ceara
3,514 bgs, Baker Castor Oil Co, Rio Janeiro
5,000 bgs, Baker Castor Oil Co, Rio Janeiro
3,000 bgs, Baker Castor Oil Co, Rio Janeiro
5,100 bgs, Pernambuco
3,367 bgs, Pernambuco
5,100 bgs, Pernambuco
1,700 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Spencer Kellogg & Sons, Bahia
725 bgs, Port Prince
3,414 bgs, Tunley & Co, Rio Janeiro
4,721 bgs, Baker Castor Oil Co, Rio Janeiro
12,477 bgs, Rio Janeiro
27,534 bgs, National City Bank, Rio Janeiro
12,710 bgs, Guaranty Trust Co, Rio Janeiro
3,330 bgs, Bunge North American Grain Co, Recife
19,142 bgs, Baker Castor Oil Co, Recife
12,667 bgs, Spencer Kellogg & Sons, Recife

CHALK, PRECIP—200 bgs, C B Chrystal & Co, Europe

CHEMICALS—15 cs, Goudrand Shipping Co, Lisbon
7 cs, Gallia Lab, Barcelona

CHILLIES—1 bg, H Landauer & Co, Dar Es Salaam

CINNAMON QUILLS—125 bls, C M Van Sillevoldt, Colombo
50 bls, Ernest S Klinko, Colombo
130 bls, C M Van Sillevoldt, Colombo
50 bls, Colombo
300 bls, C T Wilson & Co, Colombo
50 bls, Ernest S Klinko, Colombo
250 bls, C M Van Sillevoldt, Colombo
45 bls, Volkart Bros, Colombo

CLOVES—2,100 bls, Geo Uhe Co, Zanzibar
250 bls, Greene Trading Co, Zanzibar
140 bls, A G Dunn, Zanzibar
500 bls, Dodge & Olcott Co, Zanzibar
500 bls, Catz American Co, Zanzibar
200 bls, A G Dunn, Zanzibar
100 bls, Avery F Payne Co, Zanzibar
75 bls, Kachurin Drug Co, Zanzibar
300 bls, Geo Uhe Co, Zanzibar

COCOA BEANS—8,724 bgs, Curacao Trading Co, Lisbon
950 bgs, Guayaquil
2,200 bgs, W R Grace & Co, Guayaquil

COCOA BEANS—350 bgs, Guayaquil
750 bgs, A Canale, Guayaquil
500 bgs, Borden & Co, La Guaira
250 bgs, Meyer & Co, La Guaira
1,643 bgs, Borden & Co, La Guaira
575 bgs, W R Grace & Co, Puerto Cabello
58 bgs, S Stern Stiner & Co, Maracaibo
125 bgs, A A Lindo, Port Limon
100 bgs, Balfour, Guthrie & Co, Samarang
250 bgs, Middleton & Co, Port Spain
400 bgs, General Cocoa Co, Port Spain
300 bgs, Middleton & Co, Grenada
250 bgs, Wood & Selick, Grenada
300 bgs, Middleton & Co, Grenada
340 bgs, Nieschlag & Co, Guayaquil
266 bgs, National City Bank, Port au Prince
1,413 bgs, Chase National Bank, Lisbon

COCOA BUTTER—774 bls, Woodward & Dickerson, Bahia
275 bls, Philadelphia National Bank, Bahia

COCONUT SHELLS—629 bgs, Bank of Manhattan, Kingston

COCONUTS—500 bgs, General Food Corp, Kingston
1,000 bgs, I L Toledano Corp, Cristobal

CORK—140 bls, Mundet Cork Corp, Lisbon
45 bgs, Mundet Cork Corp, Lisbon
28 bgs, Cork Product Co, Lisbon
1 bg, Henrich & Pearsal, Lisbon
6 bls, Hensel, Bruckmann & Lorbacher, Barcelona
67 bls, Panama Pacific Line, Barcelona
3 bls, Atlantic Freighting Co, Barcelona

SHAVINGS—222 bls, Mundet Cork Corp, Lisbon
400 bls, Mundet Cork Corp, Lisbon
280 bls, Mundet Cork Corp, Lisbon

VIRGIN—299 bls, National Bank of Comm, Oporto
557 bls, Mundet Cork Corp, Lisbon
166 bls, Armstrong Cork Co, Lisbon

WASTE—1,000 bls, Wicander & Co, Oporto
751 bls, National Bank of Comm, Oporto
520 bls, Titan Shipping Co, Lisbon
550 bls, Mundet Cork Corp, Lisbon
171 bls, Armstrong Cork Co, Lisbon
15,890 bls, Armstrong Cork Co, Lisbon

WOOD—1,390 bls, Mundet Cork Corp, Lisbon
93 bls, Mundet Cork Corp, Lisbon
385 bls, Cork Importing Co, Barcelona
4 bls, L N Renault & Son, Barcelona

COTTON LINTERS — 320 bls, Williamson Product Co, Pernambuco
233 bls, West Texas Cotton Oil Co, Buenos Aires
359 bls, Hercules Powder Co, Buenos Aires
241 bls, Hercules Powder Co, Santos
284 bls, Hercules Powder Co, Santos
950 bls, Williamson Product Co, Santos
68 bls, Irving Trust Co, Rio de Janeiro
10 bls, Irving Trust Co, Rio de Janeiro

CUBEBS—16 bgs, F B Ross & Co, Singapore

CUMIN SEED—210 bgs, J S Toledano & Pinto, Bombay
528 bgs, A G Dunn, Bombay
176 bgs, O Gerdan Co, Bombay
160 bgs, S B Penick & Co, Bombay
352 bgs, A G Dunn, Bombay
200 bgs, Atlantic Freighting Co, Malaga
22 bgs, Atlantic Freighting Co, Barcelona

DIATOMACEOUS EARTH—140 bgs, Asbestos Corp, Recife

DILLSEED—83 bgs, W G Scarlett, Bombay

DIVI DIVI—580 bgs, Barranquilla

DRUGS, VEGETABLE—80 cs, Peek & Velsor, Buenos Aires
10 bls, Peek & Velsor, Buenos Aires
7 bls, R J Prentiss & Co, Buenos Aires

DYES, ANILIN—131 bbls, Wedemann & Godknecht, Funchal
30 kgs, Carbic Color & Chem Co, Lisbon
123 dms, Ciba Co, Lisbon
256 dms, Ciba Co, Lisbon
35 pkgs, Gondrand Shipping Co, Lisbon
35 pkgs, Goudrand Shipping Co, Lisbon
21 cs, Goudrand Shipping Co, Lisbon
42 dms, Goudrand Shipping Co, Lisbon

EARTH—1 cs, Standard Oil Co, Kingston

ERGOT—100 cs, R Hilliers Son Corp, Funchal
40 cs, Irving Trust Co, Lisbon

FENNEL SEED—42 bgs, S B Penick & Co, Buenos Aires

FISH LIVERS—13 bbls, Bank of Montreal, Funchal

FLAXSEED—522 bgs, 1,148 bus, Leval & Co, Inc, Buenos Aires
481 tons, 19,240 bus, Leval & Co, Inc, Buenos Aires
642 bgs, 1,412 bus, Leval & Co, Inc, Buenos Aires

GINGER ROOT—66 bgs, United Fruit Co, Kingston
23 bgs, Gillespie & Co, Kingston
54 bgs, Frank Tea & Spice Co, Kingston

GLUESTOCK—60 bls, Anglo Portuguese Colonial Overseas Bank, Durban
12 bls, Chase National Bank, Buenos Aires

GLYCERIN, SOAP LYE—50 dms, Buenos Aires

GRAPHITE—500 bgs, Geo Pettinos, Colombo
250 bgs, Asbury Graphite Mills, Colombo
276 bgs, Wyodak Chem Co, Colombo
334 bgs, Patterson, Boardman & Knapp, Colombo
333 bgs, C E Pettinos, Colombo

GUM—27 bgs, Bombay
28 cs, Bombay
72 cs, Bombay
14 bgs, Bombay

CHICLE—1,642 bls, Mexican Exploitation Co, Vera Cruz
494 bls, Chicle Development Co, Puerto Barrios

COPAL—80 bgs, O G Innes Corp, Singapore
50 bgs, Stroock & Wittenberg, Singapore
70 bgs, Gillespie Rogers Pyatt Co, Singapore
70 bgs, O G Innes Corp, Singapore
70 bgs, Gillespie Rogers Pyatt Co, Singapore
35 bgs, Stroock & Wittenberg, Singapore
249 bskts, G W S Patterson & Co, Macassar
137 bskts, Sino Java Handel, Macassar
188 bskts, G W S Patterson & Co, Macassar
192 bskts, Sino Java Handel, Macassar
256 bskts, G W S Patterson & Co, Macassar
526 bskts, Sino Java Handel, Macassar
125 bgs, Sino Java Handel, Macassar

GUM, DAMMAR—420 bgs, O G Innes Corp, Singapore
210 bgs, Stroock & Wittenberg, Singapore
120 cs, G W S Patterson & Co, Singapore
1,260 bgs, O G Innes Corp, Singapore
140 bgs, G W S Patterson & Co, Singapore
420 bgs, American Cyanamid & Chem Co, Singapore
50 cs, W H Scheel, Singapore
50 cs, American Cyanamid & Chem Co, Singapore
70 bgs, American Cyanamid & Chem Co, Singapore
210 bgs, G W S Patterson & Co, Singapore
25 cs, G W S Patterson & Co, Singapore
210 bgs, G W S Patterson & Co, Singapore
256 bgs, Sino Java Handel, Macassar
280 bgs, Sino Java Handel, Macassar
100 cs, Gillespie Rogers Pyatt Co, Batavia
100 cs, W H Scheel, Batavia
280 cs, O G Innes Corp, Batavia
700 cs, Gillespie Rogers Pyatt Co, Batavia
50 cs, France, Campbell & Darling, Batavia

ELEMI—270 bgs, W H Scheel, Manila

KARAYA—578 bgs, Guaranty Trust Co, Bombay
198 bgs, Wm M Allison & Co, Bombay
132 bgs, Orbis Product Corp, Bombay
200 bgs, S B Penick & Co, Bombay
134 bgs, Guaranty Trust Co, Bombay
532 bgs, Innis, Speiden & Co, Bombay
266 bgs, Thurston & Braidich, Bombay

KAURI—5 bgs, G H Lincks, New Zeeland

OLIBANUM—67 bgs, A D Isbetcherian, Bombay
32 cs, A D Isbetcherian, Bombay

PERILLA—83 pkgs, Chicle Development Co, Barranquilla

HERBS—2 bls, F Derigibus, Oporta

MEDICINAL—8 bls, S B Penick & Co, Buenos Aires

HOREHOUND HERBS—1 bl, Vigo

HORETHORN BERRIES—40 bgs, Europe

ILMENITE—400 bgs, Rare Mineral & Metal Co, Victoria

IPECAC ROOT—8 bgs, R D Heins, Cristobal
25 bgs, Brown Bros, Harriuann Co, Rio Janeiro

IRON ORE AND MANGANESE—27 bgs, Tippenhauer Trading Co, Port Prince

OXIDE—668 bbls, Reichard Coulston, Malaga
566 bbls, C K Williacs & Co, Malaga

JALAP ROOT—48 bgs, Public National Bank Trust Co, Vera Cruz
13 bgs, Vera Cruz
18 bgs, New York & Cuba Mail S S Co, Vera Cruz
16 bgs, Vera Cruz

LAUREL LEAVES—54 bls, Bank of Manhattan, Oporto
475 bls, Commercial National Bank, Lisbon

LAVENDER FLOWERS—18 pkgs, Atlantic Freighting Co, Valencia

LICORICE ROOT—294 bgs, Strohmeyer & Arpe Co, Alicante
38 bls, Elias Rizzo, Vigo

LINTERS, HULL FIBER—887 bls, Hercules Powder Co, Santos
135 bls, Hercules Powder Co, Santos

LIME JUICE—9 cks, Roseau Dominica
10 cks, W J Bush, Roseau Dominica

LIQUIDAMBAR—3 dms, Pan American Trust Co, Puerto Cortes

LIVER MEAL—1,120 bgs, Dunedin
448 bgs, National City Bank, Wellington

MACE—2 cs, J F Frank, Semarang

MANGROVE BARK—462 bgs, Balfour, Guthrie & Co, Dar Es Salaam

EXTRACT—4,000 bgs, Saxe Cutch Co, Singapore
2,000 bgs, Saxe Cutch Co, Singapore

MANIOC FLOUR—2,032 bgs, A Hurst & Co, Pernambuco
2,032 bgs, A Hurst & Co, Pernambuco
1,000 bgs, National City Bank, Rio Janeiro
500 bgs, Rio Janeiro
20 bgs, Edmond J Lang, Rio Janeiro

MEDICINAL PREPS—5 cs, Yardley & Co, Europe
28 cs, Gallia Lab, Valencia
11 cs, Gallia Lab, Barcelona
24 pkgs, Atlantic Freighting Co, Barcelona

MICA—9 cs, Eugene Munsell & Co, Buenos Aires
BLOCK—50 cs, Eugene Munsell & Co, Calcutta
CUT—35 cs, Eugene Munsell & Co, Calcutta
FILM—27 cs, Eugene Munsell & Co, Calcutta
SPLITTINGS—140 cs, Eugene Munsell & Co, Calcutta
50 cs, Europe

MIMOSA EXTRACT—388 bgs, Tannin Corp, Durban

NUTMEGS—10 bgs, Fritzsche Bros, Padang
100 bgs, A G Dunn, Grenada

OIL, BAY—27 cs, Roseau Dominica
9 cs, Barclay Bank, Roseau Dominica

CANANGA—2 dms, Chase National Bank, Batavia
2 dms, Corn Exchange Bank, Batavia
2 dms, Batavia
4 dms, National City Bank, Batavia
2 dms, Chase National Bank, Batavia

CASTOR—200 dms, Chase National Bank, Bahia

CHINAWOOD—784 tons, Universal Trading Co, Hongkong

CINNAMON LEAF—2 dms, Volkart Bros, Colombo
5 dms, Chase National Bank, Mombasa

CITRONELLA—15 dms, Chase National Bank, Mombasa
41 dms, Volkart Bros, Batavia
29 dms, Orbis Product Corp, Batavia
19 dms, P R Dreyer, Batavia
20 dms, General Drug Co, Batavia
60 dms, Batavia
58 dms, New York Trust Co, Batavia
29 dms, Guaranty Trust Co, Batavia
20 dms, Batavia
5 dms, Irving Trust Co, Batavia

COCONUT—377 tons, Wecoline Product Co, Cebu
505 tons, Batavia
904 tons, Manila

COTTONSEED, SEMI-REFD — 628 tons, Gillespie & Co, Santos
482 tons, West Texas Cotton Oil Co, Santos

ESSENTIAL—7 cs, Oporto
15 cs, Coty Co, Europe
6 cs, F N Pabst, Vera Cruz
31 dms, H A Sothern, Puerto Barrios

OIL, ESSENTIAL—3 bbls, 2 cs, Guaranty Trust Co, Valencia
1 pkg, Givaudan Delawanna, Valencia

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

LAVENDER SPIKE—1 pkg, Valencia
3 dms, Magnus, Mabee & Reynard, Alicante
3 dms, Geo Lueders & Co, Alicante
6 dms, W J Bush & Co, Alicante

LIME—2 cs, J W Lyon, St Lucia

LIME DIST—15 cs, Roseau Dominica

NEROLI—1 cs, P Chaleyer, Port au Prince

OITICICA—100 dms, Arnold, Dorr & Co, Ceara
125 dms, Crown Oil Product Co, Ceara
125 dms, Murray Oil Product Co, Ceara
124 dms, Crown Oil Product Co, Ceara
179 dms, Simmons & Gray, Ceara
76 dms, Murray Oil Product Co, Ceara
124 dms, Laidlaw & Co, Ceara
500 dms, Brasil Oiticica, Inc, Ceara
125 dms, S L Jones & Co, Ceara
125 dms, Murray Oil Product Co, Ceara
3 dms, Ceara
137 dms, W R Grace & Co, Recife
126 dms, Crown Oil Product Co, Recife
128 dms, W R Grace & Co, Recife
264 dms, W R Grace & Co, Recife

ORANGE — 15 cs, Murbas Trading Co, Kingston

PALMAROSA—1 pot, Dodge & Olcott Co, Bombay
2 dms, Geo Lueders & Co, Bombay
6 dms, Dodge & Olcott Co, Bombay
2 dms, Geo Lueders & Co, Bombay
1 dm, Volkart Bros, Bombay
1 dm, Greene Trading Co, Mombasa

PETITGRAIN—1 cs, Givaudan Delawanna, Port au Prince

PIMENTO LEAF—1 dm, Gillespie & Co, Kingston

RAPESEED—1 dm, Murray Oil Product Co, Buenos Aires
650 tons, Mitsui & Co, Buenos Aires

ROSEMARY—3 dms, Magnus, Mabee & Reynard, Alicante
8 dms, Geo Lueders & Co, Alicante
1 dm, W J Bush & Co, Alicante

ROYSTONEA — 15 dms, Richard Chem Works, Havana

SANDALWOOD — 5 cs, Givaudan Delawanna, Bombay
5 cs, G Uhe Co, Bombay

THYME—1 dm, Orbis Product Co, Alicante
11 dms, W J Bush & Co, Alicante

VETIVER—1 dm, Chase National Bank, Batavia
2 dms, Chase National Bank, Batavia

ORANGE FLOWERS—30 bgs, S B Penick & Co, Barcelona

ORANGE PEEL—83 bgs, Vigo

OX GALLS, CONC—45 cks, Weaver & Hugi, Buenos Aires

PAINT—80 dms, Europe

PAPAIN—40 cs, S B Penick & Co, Colombo
25 cs, Merck & Co, Colombo
7 cs, R J Prentiss & Co, Colombo
11 cs, S B Penick & Co, Colombo

PAPRIKA—50 bgs, A N Cory & Co, Alicante
50 bgs, F B Vandegrift & Co, Alicante
300 bgs, R T French Co, Alicante
25 bgs, New Orleans Import Co, Alicanet
25 bgs, J Raphael & Son, Alicante
50 bgs, Euclid Coffee Co, Alicante
30 bgs, Empire Spice Mills, Alicante
100 bgs, Strohmeyer & Arpe Co, Alicante
20 bgs, General Export Co, Alicante
50 bgs, McLaughlin, Gormley & King, Alicante
150 bgs, Alicante
320 bgs, Funchal
100 bgs, Sterling National Bank, Lisbon
100 bgs, J B de Macado & Stock, Lisbon
100 bgs, Lisbon
100 bgs, Continental Import Co, Lisbon
12 bgs, A N Cory & Co, Alicante
30 bgs, A G Dunn, Alicante
50 bgs, Griffiths Lab, Vigo
100 bgs, Van Loan & Co, Vigo
75 bgs, Knickerbocker Mills, Vigo
200 bgs, Alicante
100 bgs, Archibald & Kendall, Alicante
300 bgs, Alicante

PARAFFIN—4,000 bgs, Asiatic Petroleum Corp, Batavia

PEPPER, BLACK—1,320 bgs, Shearson, Hammill & Co, Batavia

POPPY FLOWERS—36 bgs, S B Penick & Co, Barcelona
1 bbl, S B Penick & Co, Barcelona

QUINCE, PASTE—1 bx, E Meer & Co, Malaga
SEED—25 bgs, E Meer & Co, Malaga

QUININE, SULPHATE—2 cs, Europe

RAPESEED—308 bgs, A G Dunn, Buenos Aires
188 bgs, Buenos Aires
566 bgs, Buenos Aires

ROSIN, VEGETABLE—1,000 bxs, New York & Cuba Mail S S Co, Tampico

SAFFRON FLOWERS — 1 cs, Atlantic Freighting Co, Malaga

SAGE LEAVES—90 bls, Kachurin Drug Co, Barcelona
84 bls, Panama Pacific Line, Alicante

SAPONIN—68 cs, W R Grace & Co, Valparaiso

SARSAPARILLA ROOT—3 bls, Public National Bank Trust Co, Vera Cruz
13 bls, S B Penick & Co, Kingston

SCHEELITE—93 dms, Chase National Bank, Buenos Aires

SILVER SULPHIDES—204 bgs, J Henry Schroeder Banking Corp, Antofagasta

SOAPBARK—125 bgs, W R Grace & Co, Valparaiso

SOAP—11 cs, Yardley & Co, Europe
BASE—41 cs, Yardley & Co, Europe
SADDLE—185 cs, Europe
STOCK—238 bbls, West Texas Cotton Oil Co, Buenos Aires

SPONGES—23 bls, Europe
8 bls, Gulf West Indies Co, Havana
13 bls, Havana
11 bls, Havana

STEARIN—237 bgs, A N Capens Son, Buenos Aires

TALC—2,281 bgs, Heyman & Co, Bombay

TALLOW—267 cks, Weaver & Hugi, Buenos Aires
284 bbls, L Stern Sons, Buenos Aires
286 cks, Weaver & Hugi, Buenos Aires

TAMARINDS—125 bbls, Barclay Bank, Antigua

TANKAGE—1,448 bgs, Tupman, Thurlow Co, Buenos Aires

TANTALITE—51 bgs, Philipp Bros, Cabedella
41 bgs, Philipp Bros, Europe

TAPIOCA FLOUR—500 bgs, Chase National Bank, Havana
500 bgs, Stein, Hall & Co, Cheribon
758 bgs, Stein, Hall & Co, Cheribon
500 bgs, Chase National Bank, Cheribon
511 bgs, Chase National Bank, Cheribon
500 bgs, Rio Janeiro
PEARL—280 bgs, Guaranty Trust Co, Cheribon
SEED—106 bgs, Chase National Bank, Cheribon
TARTAR—201 bgs, Standard Brands, Oporto
453 bgs, Standard Brands, Oporto
1,126 bgs, Charles Pfizer & Co, Alicante
407 bgs, Charles Pfizer & Co, Alicante
912 bgs, Charles Pfizer & Co, Vigo
511 bgs, Charles Pfizer & Co, Buenos Aires
492 bgs, Charles Pfizer & Co, Barcelona
THYME LEAVES—300 bls, Alicante
172 bls, Alicante
TIN ORE—500 tons, Albesto M Cabezut, Tampico
330 bgs, Philipp Bros, Arica
TUBA ROOT—96 bgs, S B Penick & Co, Singapore
78 bgs, Dodwell & Co, Batavia
UVI URSI LEAVES—58 bgs, Vigo
VANADIUM ORE—7,538 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—3 cs, Europe
8 cs, F Huber & Co, Vera Cruz
15 cs, Dodge & Olcott Co, Vera Cruz
57 cs, Thurston & Braidich, Vera Cruz
10 cs, F Huber & Co, Vera Cruz
10 cs, New York & Cuba Mail S S Co, Vera Cruz
WATTLE BARK—1,091 bls, Tannin Corp, Mombasa
1,108 bls, Tannin Corp, Mombasa
EXTRACT—394 bgs, Tannin Corp, Mombasa
553 bgs, Tannin Corp, Mombasa
WAX, CARNAUBA — 280 bgs, Rutger, Bleecker & Co, Ceara
56 bgs, American Cyanamid & Chem Co, Ceara
56 bgs, Strohmeyer & Arpe Co, Ceara
334 bgs, Midway Chem Co, Ceara
112 bgs, Rutger, Bleecker & Co, Ceara
168 bgs, Rutger, Bleecker & Co, Ceara
153 bgs, Innis, Speiden & Co, Rio Janeiro
112 bgs, Guaranty Trust Co, Rio Janeiro
37 bgs, American Cyanamid & Chem Co, Rio Janeiro
68 bgs, Wessel, Duval & Co, Bahia
67 bgs, Strahl & Pitsch, Bahia
363 bgs, Wm Allison & Co, Brazil
686 bgs, Strohmeyer & Arpe, Brazil
JAPAN—100 cs, Strohmeyer & Arpe, Kobe
OURICURY—254 bgs, A Hurst & Co, Bahia
145 bgs, Wessel, Duval & Co, Bahia
174 bgs, A Hurst & Co, Bahia
60 bgs, Bahia
VEGETABLE—100 bgs, Mecke & Co, Cristobal
WINE LEES—575 bgs, Standard Brands, Funchal
604 bgs, Lisbon
845 bgs, Valparaiso
1,142 bgs, Charles Pfizer & Co, Alicante
148 bgs, Charles Pfizer & Co, Alicante
217 bgs, Charles Pfizer & Co, Buenos Aires
965 bgs, Lisbon
WOLFRAM CONC—403 bgs, Irving Trust Co, Buenos Aires
120 dms, Mineral & Metals, Buenos Aires
ORE—204 bgs, Lavino Shipping Co, Funchal
38 bgs, Lavino Shipping Co, Funchal
19 cks, Lavino Shipping Co, Funchal
30,475 bgs, Burma
1,544 bgs, Patino Mines & Enterprise, Antofagasta
460 bgs, W R Grace & Co, Antofagasta
511 bgs, W R Grace & Co, Mollendo
188 Wah Chang Trading Corp, Singapore
295 bgs, J J Gavin & Co, Lisbon
YEAST—1 pkg, Standard Brands, Havana

## New York Transit Imports

CLOVES—200 bls, L & R Millen, Zanzibar, Montreal
COTTON LINTERS—266 bls, Anderson, Clayton & Co, Buenos Aires, Houston
GUM ARABIC—77 bgs, Dar Es Salaam, Montreal
OIL, COCONUT—690 tons, Procter & Gamble Co, Manila, Cincinnati
PAPRIKA—12 bgs, Sokol & Co, Alicante Chicago
QUEBRACHO EXTRACT—400 bgs, International Product Co, Buenos Aires, Montreal
SAGO FLOUR—721 bgs, Stein, Hall & Co, Singapore, Norfolk
709 bgs, Stein, Hall & Co, Singapore, Charleston
717 bgs, Stein, Hall & Co, Singapore, Charleston
723 bgs, Stein, Hall & Co, Singapore, Charleston
SARSAPARILLA ROOT—39 bls, Eli Lilly & Co, Kingston, Indianapolis
SESAME SEED—47 bgs, Sokol & Co, Bombay, Chicago
SPONGES—22 bls, New York & Cuba Mail S S Co, Havana, Detroit
1 bl, New York & Cuba Mail S S Co, Havana, Buenos Aires
2 bls, New York & Cuba Mail S S Co, Havana, Lisbon
REFUSE—2 bls, New York & Cuba Mail S S Co, Havana, Detroit
VANILLA BEANS—22 cs, M Cortizas Co, Vera Cruz, Philadelphia
12 cs, M Cortizas Co, Vera Cruz, Philadelphia
66 cs, M Cortizas Co, Vera Cruz, Philadelphia
WAX, BEES—90 bgs, Dar Es Salaam, Montreal
34 bgs, Dar Es Salaam, Montreal

## Baltimore Imports

BLOOD, DR—3,500 bgs, Santos
CHROME ORE—3,000 tons, Masinloc
COPRA—1,976 tons, Cebu
1,458 tons, Bulan
ILMENITE SAND—863 tons, Lisbon
6,350 tons, Koilthottam
1,250 tons, Koilthottam
1,750 tons, Koilthottam
IRON ORE — 11,500 tons, Bethlehem Steel Co, Cruz Grande
5,700 tons, Bethlehem Steel Co, Felton
MAGNESITE ORE—20,000 bgs, Dairen
MANGANESE ORE — 2,000 tons, Rio de Janeiro
2,100 tons, Calcutta
2,000 tons, Manila
MOLASSES—1,400,000 gls, Standard Brands, Inc, Caibarien
OIL, COTTONSEED—70 dms, Santos
FUEL—69,810 bbls, Standard Oil Co N J, Caripito
WATTLE BARK—5,776 bgs, Durban
WAX, CARNAUBA—23 bgs, Ceara

## Boston Imports

COCOA BEANS—250 bgs, Wessel, Kulenkampf & Co, Trinidad
250 bgs, Kennedy, Butcher & Co, Trinidad
GUM, COPAL—167 baskets, W H Scheel, Macassar
MICA SPLITTINGS—180 cs, Eugene Munsell & Co, Calcutta
100 cs, Eugene Munsell & Co, Calcutta
PEPPER, WHITE—246 bgs, O Gerdau Co Toboali
84 bgs, H P Winter & Co, Batoeroesa
TAPIOCA FLOUR—203 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Cheribon

## Los Angeles Imports

AGAR—60 lbs, Kobe
ANTIMONY ORE—85,000 lbs, Iguala
BONE MEAL—1,000 bgs, 100,000 lbs, Tsingtao
1,000 bgs, 100,000 lbs, Tsingtao
CANARY SEED—107,540 lbs, Buenos Aires
CASSIA—6,670 lbs, Hongkong
COPRA—2,016,000 lbs, Jolo Sulu, P I
MEAL—2,000 bgs, 200,000 lbs, Manila
4,000 bgs, 400,000 lbs, Cebu
5,800 bgs, 580,000 lbs, Batavia
4,500 bgs, 450,000 lbs, Cebu
9,000 bgs, 900,000 lbs, Cebu
COTTON LINTERS—2,402 bls, 1,152,320 lbs, San Paulo
745 bls, 291,920 lbs, San Paulo
FISH LIVERS—600 tins, 24,000 lbs, Yokohama
100 tins, 4,000 lbs, Kobe
1,034 tins, 41,360 lbs, Japan
193 tins, 7,720 lbs, Yokohama
GINGER ROOT—500 lbs, Hongkong
HAIR DYE—60 lbs, Kobe
MEDICINAL PREPS—100 lbs, Kobe
NUTS AND OLIVE KERNELS—420 lbs, Hongkong
OIL, CAMPHOR—4,000 lbs, Hongkong
PEANUT—2,160 lbs, Hongkong
RAPESEED, REF'D—105 dms, 44,360 lbs, Buenos Aires
SESAME—360 lbs, Hongkong
QUEBRACHO EXTRACT—1,072 bgs, 113,020 lbs, Buenos Aires
RAPESEED—508 bgs, Buenos Aires
SEAWEEDS—150 lbs, Kobe
SOYBEAN FLOUR—500 lbs, Yokohama
TANKAGE — 4,000 bgs, 360,720 lbs, San Paulo
9,487 bgs, 923,000 lbs, Buenos Aires
560 pkgs, 56,000 lbs, Montevideo
6,000 bgs, 584,000 lbs, Buenos Aires
TAPIOCA FLOUR—7,780 lbs, Hongkong
436 bgs, 43,600 lbs, Batavia
55 bgs, 11,120 lbs, Sourabaya
164 bgs, 33,530 lbs, Sourabaya
SEED—54 bgs, 11,120 lbs, Batavia
TOILET PREPS—1,900 lbs, London
40 lbs, Yokohama
URUNDAY EXTRACT—42 bgs, 4,370 lbs, Buenos Aires
VANILLA BEANS — 4,010 lbs, Tiezintlan, Mexico

## New Orleans Imports

COCONUTS—10 tons, Swan Island

## Philadelphia Imports

BONE GRIST—2,072 bgs, Philadelphia National Bank, Buenos Aires
CHROME ORE—5,000 tons, Beira
3,958 tons, Pastelillo
5,324 tons, Pastelillo
6,569 tons, Egypt
2,000 tons, Beira
COCOA BEANS—1,901 bgs, Barclay's Bank, Accra
12,800 bgs, Accra
14,240 bgs, Bank of Manhattan, Takoradi
IRON ORE, CHROME BEARING—1,500 tons, Masinloc
MANGANESE ORE—4,600 tons, Santiago de Cuba
MAGNESITE ORE—2,000 tons, Darien
OIL, COCONUT—555,333 kilos, Manila
OLIVE—86 tons, Egypt
PALM—844,893 kilos, Matadi
PETROLEUM, CRUDE—104,354 bbls, Gulf Oil Corp, Puerto la Cruz
98,295 bbls, Gulf Oil Corp, Puerto la Cruz
121,651 bbls, Gulf Oil Corp, Puerto la Cruz
80,558 bbls, Gulf Oil Corp, Puerto la Cruz
76,000 bbls, Sinclair Navigation Co, Tuxpam
76,000 bbls, Sinclair Navigation Co, Tuxpam
TANKAGE—551 bgs, Buenos Aires
2,204 bgs, National City Bank of New York, Buenos Aires
3,048 bgs, Buenos Aires
TAPIOCA FLOUR—1,745 bgs, Cheribon
1,003 bgs, Guaranty Trust Co, Cheribon
250 bgs, Chase National Bank, Cheribon
500 bgs, New York Trust Co, Cheribon
495 bgs, Cheribon
518 bgs, Batavia
CLEANSER—420 lbs, Shanghai
DIATOMACEOUS EARTH—832 bgs, 83,200 lbs, Melbourne; 27 bgs, 2,700 lbs, Sydney; 784 bgs, 78,400 lbs, Fremantle; 1,457 bgs, 145,560 lbs, Liverpool
FILTERING CLAY—40 bgs, 2,000 lbs, Batavia; 244 bgs, 12,000 lbs, Valparaiso
FIRECLAY—5 dms, 2,500 lbs, Calcutta
FLAVORING COMP—110 lbs, Hongkong
CONC—5,300 lbs, Manila
GASOLINE—12,586 bbls, 3,284,950 lbs, Balboa; 96,880 bbls, 25,285,680 lbs, Tokuyama; 850 pkgs, 79,870 lbs, Papeete; 20 cns, 520 lbs, Tahiti
GLASS, ROLLED—3,600 lbs, Manila
GLUE, ANIMAL—200 lbs, Manzanillo
GREASE, LUB—4 dms, 1,600 lbs, Manila; 6,950 lbs, Batavia
GYPSUM CALC—100 bgs, 8,980 lbs, Manila
IODINE—300 lbs, Calcutta
KEROSENE—1,000 cs, 85,000 lbs, Papeete
LACQUER—9,190 lbs, Manila; 14,430 lbs, Manila; 870 lbs, San Juan; 300 lbs, Ponce; 1,760 lbs, Mayaguez
THINNER—7,920 lbs, San Juan; 2,240 lbs, Mayaguez; 2,240 lbs, Mayaguez; 1,760 lbs, Santurce; 880 lbs, Arecibo
NAPHTHA, PETROLEUM—10 dms, 3,280 lbs, Vancouver
SOLVENT—85 dms, 21,420 lbs, Buenos Aires
MINERAL SPIRITS—40 dms, 14,480 lbs, Balboa; 220 pkgs, 35,220 lbs, Panama
OCHER—1,060 lbs, Palembang
OIL, CRUDE—1,000 dms, 393,740 lbs, Melbourne
DIESEL—5,694 bbls, 1,776,530 lbs, Balboa; 8,280 bbls, 2,583,360 lbs, Shanghai; 7,600 bbls, 2,371,200 lbs, Shanghai; 1,352 bbls, 421,820 lbs, Panama
ENGINE—200 bbls, 80,000 lbs, Shanghai
ESSENTIAL—210 lbs, Manila; 260 lbs, Hongkong
FISH—2,060 lbs, Albonito
FUEL—50,979 bbls, 16,976,010 lbs, Balboa; 24,360 bbls, 8,111,880 lbs, Guaymas; 56,398 bbls, 18,780,530 lbs, Tocopilla; 39,988 bbls, 13,316,000 lbs, Chanaral; 84,987 bbls, 28,300,670 lbs, Balboa
LEMON—3,380 lbs, Melbourne
LUBRICATING—40 pkgs, 11,640 lbs, Manila; 410 bbls, 190,890 lbs, Shanghai; 15 bbls, 6,210 lbs, Manzanillo; 20 dms, 10,090 lbs, Manila; 542 dms, 265,390 lbs, Melbourne; 110 dms, 55,870 lbs, Adelaide; 15 dms, 7,370 lbs, Papeete; 2,000 bbls, 868,340 lbs, Dairen; 200 pkgs, 42,290 lbs, Batavia; 3 dms, 1,550 lbs, Medan
OLEO—4,200 lbs, Hongkong
ORANGE—100 lbs, Melbourne
PALM FLAKE—500 bgs, 50,000 lbs, Manila; 625 bgs, 100,000 lbs, Manila
VEGETABLE FLAKE—1,000 bgs, 100,000 lbs, Manila
PAINT—4,500 lbs, Manila; 12,810 lbs, Shanghai; 3,830 lbs, Manzanillo; 64,110 lbs, Palembang; 920 lbs, Mayaguez
MATERIAL—12,380 lbs, Hongkong
OIL—2,060 lbs, Albonito
PETROLEUM GAS, LIQ—109,100 lbs, Tutizaki; 3,250 lbs, Melbourne
POLISH, FURN—10 lbs, Mexicali
POTASH CHLORATE—68 dms, 11,220 lbs, Manila
IODIDE—100 lbs, Manila; 100 lbs, Hongkong; 400 lbs, Calcutta
PUTTY—2,850 lbs, Manila; 330 lbs, Manila
POWD, WHITE—1,190 lbs, Palembang
RUBBER COMP—790 lbs, Hongkong
SCOURING COMP—6,900 lbs, Manila
SOAP POWDER—40 lbs, Manzanillo
TOILET—13,260 lbs, Manila
SODA, CAUSTIC—460 cs, 24,410 lbs, Manila
METABORATE—2,000 lbs, Melbourne
SOLVENTS—30 cs, 1,680 lbs, Panama
TALC—200 bgs, 10,000 lbs, Manila; 40 bgs, 4,000 lbs, Bogota; 1,200 bgs, 60,000 lbs, Manila; 8,000 bgs, 40,000 lbs, Havana; 3,930 lbs, Bogota
TITANIUM DIOXIDE—200 bgs, 10,000 lbs, Hongkong
TOILET PREPS—5,000 lbs, Yokohama; 3,310 lbs, Manila; 1,110 lbs, Hongkong; 300 lbs, Shanghai; 800 lbs, Manila; 7,250 lbs, Sourabaya
TRIPOLI—17 pkgs, 6,880 lbs, Batavia; 6 pkgs, 2,200 lbs, Sourabaya
WAX, PALM OIL—200 bgs, 20,000 lbs, Sourabaya
ZINC STEARATE—50 lbs, Manila; 4,500 lbs, Bogota

## New Orleans Exports

CLAY, BLEACHING—41 tons, West Coast
COTTONSEED MEAL—18 tons, Havana
DRUGS—7 tons, Tampico
GASOLINE—21 tons, Ceiba; 263 tons, Puerto Cabezas
KEROSENE—23 tons, Puerto Limon; 6 tons, Puerto Cabezas
LARD—39 tons, Cristobal; 54 tons, Havana
LIME, HYDRATED—200 tons, Ceiba
OIL, COTTONSEED—20 tons, Cristobal
COTTONSEED, HYDRO—18 tons, Puerto Barrios
DIESEL—106 tons, Ceiba; 21 tons, Puerto Cabezas
FUEL—273 tons, Ceiba
LUBRICATING—36 tons, Cristobal; 26 tons, Barranquilla; 9 tons, West Coast South America
OLEO—15 tons, Vera Cruz
PINE—6 tons, West Coast South America
REFINED—30 tons, Ceiba
PARAFFIN—10 tons, Cristobal; 23 tons, West Coast South America
PINETAR—12 tons, Vera Cruz
QUEBRACHO EXTRACT—118 tons, Vera Cruz
ROSIN—107 tons, Barranquilla; 22 tons, Cartagena; 7 tons, Panama City; 81 tons, West Coast South America
SALT—112 tons, Havana
SODA, CAUSTIC—72 tons, Tampico
STARCH—15 tons, Barranquilla
STEARIN—15 tons, Vera Cruz
SULPHUR—28 tons, Vera Cruz
TANNING EXTRACT—20 tons, Vera Cruz
TRIPOLI—6 tons, West Coast South America
TURPENTINE, SUBST—146 tons, Cristobal
WAX—34 tons, Vera Cruz
ZINC DUST—23 tons, Vera Cruz

## Philadelphia Exports

BRAKE FLUID—8 dms, Batavia
DYES—1 box, Sourabaya
OIL, LUBRICATING—1,433 bbls, Yokohama; 1,100 bbls, Osaka; 445 bbls, Kobe; 1,062 bbls, Kanmon; 885 pkgs, Semarang

# Exports from U. S. Ports

## Los Angeles Exports

ACID, BORIC—659 pkgs, 73,810 lbs, Calcutta; 20 kegs, 2,240 lbs, Mollendo; 80 bgs, 8,960 lbs, Sydney; 30 bgs, 3,360 lbs, Adelaide; 1,460 bgs, 165,760 lbs, Melbourne; 50 bgs, 5,600 lbs, Fremantle; 10 bgs, 1,120 lbs, Melbourne; 538 bgs, 111,730 lbs, Liverpool
CITRIC—6,726 lbs, Shanghai
CRESYLIC—100 dms, 44,100 lbs, Calcutta; 959 dms, 438,290 lbs, San Antonio
NAPHTHENIC—90 bbls, 22,500 lbs, Melbourne
ALGINATE—180 dms, 9,000 lbs, Belawan Deli
ALUMINUM POWD—12,000 lbs, Melbourne
ASPHALT, SOLID—3 bbls, 1,380 lbs, Hongkong
BLACK LEAD—750 lbs, Palembang
BORAX—1,500 bgs, 168,000 lbs, Hongkong; 240 bgs, 26,460 lbs, Batavia; 300 bgs, 33,080 lbs, Semarang; 2,240 bgs, 250,880 lbs, Calcutta; 600 bgs, 60,000 lbs, Manila; 315 bgs, 35,280 lbs, Sydney; 845 bgs, 94,640 lbs, Melbourne; 330 bgs, 36,960 lbs, Adelaide; 140 bgs, 15,680 lbs, Fremantle; 240 bgs, 26,880 lbs, Melbourne
CALCIUM CARBONATE—400 lbs, Manila
CARBON ACTIVATED—4,400 lbs, Rio de Janeiro; 120 bgs, 6,000 lbs, Hongkong
CHEMICALS—260 lbs, Callao; 13,250 lbs, Bogota; 40 lbs, San Juan
CLEANING COMP—400 lbs, San Juan

# *Foreign Trade Rules*

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following:—

**Acetic Acid:**—Ceylon has made subject to license imports of acetic acid.

**Algeria Exports:**—Algeria has exempted from production and transaction taxes products intended for exports.

**Carbon Black:**—United Kingdom has revoked the open general license permitting the importation from any source of carbon black from natural gas or acetylene. Individual import licenses will be required for imports of this product from any country.

**Columbian Exports:**—Columbia will prohibit for re-export of all products whose exportation from the country of origin requires a permit. Exceptions will be made in the case of certain products which for justifiable reasons must be returned to the country of origin.

**Margarin:**—Switzerland has rescinded the order requiring that potato, rice or wheat starch be added to margarin.

**Parcel Post:**—United States has suspended parcel-post service to Madagascar and Dependencies.

**Peanuts:**—Export sales tax in Sudan, French West Africa, has been reduced from 3 percent to 1.25 percent ad valorem.

**Pharmaceuticals:**—Peru has suspended the registration of new imported pharmaceutical specialities, pending a revision of the existing regulations governing the importation and sale of these products.

**Textile Emulsions:**—Uruguay has ruled that emulsions with a base of hydrate of aluminum, hydrocarbides and soapy fats in watery solutions of proteic materials, for use in waterproofing domestic textiles be included within the raw materials section of the Uruguayan tariff, dutiable at 5 percent, plus a surtax of 4 percent of the c.i.f. Montevideo value.

**Tin:**—British Malaya special "war" tax on tin produced in and exported from the Unfederated State of Trengganu has been increased from 2½ to 5 percent ad valorem.

# Coastwise Shipments

## Los Angeles Coast Trade

GASOLINE—39,900 bbls, Willbridge; 43,942 bbls, San Francisco; 18,184 bbls, Oleum; 5,468 bbls, San Diego; 1,000 bbls, San Diego; 1,114 bbls, San Diego; 23,199 bbls, Richmond; 13,994 bbls, Richmond; 2,904 bbls, San Diego; 2,933 bbls, San Diego; 42,719 bbls, Seattle; 58,490 bbls, Seattle; 3,278 bbls, Seattle; 21,211 bbls, Seattle; 1,235 bbls, Seattle; 75,234 bbls, Portland
KEROSENE, DISTILLATE—8,262 bbls, Seattle
OIL, DIESEL—35,100 bbls, Willbridge; 7,042 bbls, Seattle; 1,464 bbls, San Diego; 1,408 bbls, San Diego; 13,253 bbls, Seattle; 10,076 bbls, Seattle; 6,397 bbls, Seattle; 6,382 bbls, Seattle; 2,604 bbls, Seattle
FUEL—59,969 bbls, Seattle; 34,886 bbls, Oleum; 26,475 bbls, San Diego; 66,942 bbls, Portland; 41,722 bbls, Portland; 54,201 bbls, Portland; 67,395 bbls, Seattle; 52,996 bbls, Avon; 8,446 bbls, Portland
FURNACE—13,226 bbls, San Francisco; 1,971 bbls, Seattle

# Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

### San Francisco

**Week Ended May 22**

Cassia, 200 bales; decomposed.

### Seattle

**Week Ended May 22**

Medicinal, 50 pieces; dangerous to health.

Sesame seed, 15,000 pieces; filthy.

## Chicago Chemists Club Elects

The Chicago Chemists Club recently elected the following officers for the ensuing year:—President, Edward A. Dieterle, consultant; vice-presidents, C. W. Lenth, of Miner Laboratories, and E. E. Moore, of Abbott Laboratories; secretary, H. E. Robinson, of Swift & Co.; treasurer, E. C. Leaman, of the Central Scientific Company; trustee, Arthur Schroder, of the Pure Oil Company.

# Business Wants and Offers

**Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words**
**Payable in advance at 59 John Street, New York**

### Agencies Wanted

ESTABLISHED CINCINNATI firm covering part of Ohio and Kentucky would be interested in representing producers of chemical specialties, sulphuric acid, sulphur, iron oxides, bone blacks or other pigments. BOX 215, Oil, Paint and Drug Reporter.

CHEMICAL SPECIALTY wanted for sale to industrial or consumer trade by manufacturers' agents with New York office. Metropolitan district or eastern states territory. BOX 220, Oil, Paint and Drug Reporter.

### Equipment Offered

FILTER BAGS—We make up all sizes, types and materials of filter bags or small canvas articles for the paint and chemical trades. Large production and quick delivery. Send us your samples for quotation. BOX 138, Oil, Paint and Drug Reporter.

THREE STANDARD, No. 6 toggle presses. Fully equipped, hydraulic equalizers, thoroughly rebuilt. Additional spare parts. Very reasonable. Industrial Pressing Company, Unionville, Conn.

DAY POWDER filler with scale, Stokes powder fillers, 24 in. by 36 in. pebble mill lined, 2,000 gal. aluminum tank, copper evaporators, Gruendler Hammermill with 50 h.p. motor, Sweetland No. 7 filter, steam jacketed kettles, tanks, boilers, ice machines, portable agitators, glass lined tanks. Bargain for quick sale. Leonard Supply & Equipment Co., 4603 Lancaster avenue, Philadelphia, Pa. Phone Tri-3400.

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

### Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR IMMEDIATE shipment:—Two W.&P. jack. mixers, 150 gal.; pebble mills, 7x5 ft., 4x5 ft., 4½x3½ ft., etc., jar mills from 1 to 15 gal.; Proctor 2 truck dryer; Stokes 2½x8 ft. rotary dryer; 3x8 ft. rotary steam tube dryer; Bartlett & Snow vert. dryer, 5 ft. dia.; vacuum shelf dryers; Sharples No. 6 super centrifuge; paste mixers; powder mixers, 2,000 to 3,500 lbs., and 50 to 1,000 lbs.; rotex sifters; five filter presses, 32 in. sq., also 12 in. to 48 in. sq.; No. 7 and 10 Sweetland filters; Oliver 3 ft. by ½ ft. lab. rotary filter; 12x30 and 16x40 in. 3 roll mills; Raymond mills No. 00, 0 and 1; jack. agit. vac. stills, kettles and tanks; vacuum pumps, crushers and pulverizers, centrifugals; tablet machines; disc filters; iron mills; portable agitators; rotary and centrifugal pumps; powder and paste fillers; bottle fillers and washers. Only partial listing. Write for liquidation bulletin L 18, chemical bulletin No. 138, and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

### Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 224, Oil, Paint and Drug Reporter.

### Materials Offered

FOR SALE:—Twenty-five drums Chinawood oil, 29½c. lb.; twenty barrels magnesium zinc fluosilicate, 12c. lb., f.o.b. Baltimore. Immediate delivery. BOX 225, Oil, Paint and Drug Reporter.

### Materials Wanted

WILL BUY job lots aluminum lining bronze, 325 mesh or finer. Submit samples and quotations. Pope & Gray, Inc., 95 Morton street, New York City.

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

### Positions Vacant

EXPERIENCED METAL and ore buyer knowing Spanish is wanted as a manager for Central America. Write "confidentially" with details and references to BOX 226, Oil, Paint and Drug Reporter.

### Positions Wanted

CHEMICAL ENGINEER, 38, engaged in technical sales work, has 15 years' background in research, production, supervision, and sales in chemical and allied industries. Open for new connection. Locate anywhere. BOX 218, Oil, Paint and Drug Reporter.

EXPERIENCED CHEMICAL engineer and chemist, several degrees. Exceptional background of education and training (pharmaceutical and organic, inorganic and physical chemistry). Years of broad experience in responsible positions (managing, consulting) in chemical industry, mostly inorganic. Very successful in directing laboratories, research, development, factory operations. Ability to plan and organize, train subordinates, develop pilot plants and start new manufactures. Very adaptable. Several special manufacturing processes. Available for permanent position with progressive organization. BOX 219, Oil, Paint and Drug Reporter.

### Positions Wanted

PRODUCTION MAN—Thorough knowledge manufacture of true fruit and artificial flavoring extracts; fruit juices; baker's, confectioner's, bottler's, soda fountain, institutional supplies and specialties. Can match and improve products; instruct salesmen. Location immaterial. BOX 221, Oil, Paint and Drug Reporter.

REGISTERED PHARMACIST, single, Protestant, 36, in charge of department with pharmaceutical manufacturer, desires suitable position pharmaceutical or chemical concern, New York City or vicinity preferred. BOX 222, Oil, Paint and Drug Reporter.

CHEMIST—Young graduate student, M.S.; experienced laboratory technique. Plant control work and research in lacquers, resins, varnishes, synthetics, and other fields. Energetic and dependable. Seeks position with future possibilities. Draft status high. BOX 223, Oil, Paint and Drug Reporter.

CHEMIST, B.S., candidate for M.S., six years' experience in use and application of paints. Thorough organic, inorganic, analytical and physical background. References. Class 3 in Local Draft Board. BOX 227, Oil, Paint and Drug Reporter.

### Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

### Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus, chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

## *Export Control Applied to Philippines*

*—Continued from page 3*

sioner acting on behalf of the Secretary of State.

Since there is no District Court of the United States in the Philippine Islands, jurisdiction of offenses committed in the Philippine Islands in violation of the export control act has been conferred on the Philippine courts.

## Fox Resigns from Tariff Commission

*OPD Washington Bureau*
*May 27, 1941*

A. Manuel Fox has resigned as a member of the United States Tariff Commission, effectice May 26. He is to become the United States member of the board to manage the new American-Chinese currency stabilization fund.

Mr. Fox became an employee of the Tariff Commission June 1, 1923, as a member of its economic division. Later he became director of research. He was appointed a commissioner in July, 1937.

## *Bids Wanted*

*—Continued from page 4*

**Paints:**—Supplies of; Acting Purchasing Officer, Interior Department, Indian Service Warehouse, St. Louis, Mo.; schedule 14, opening June 24.

**Paraffin Oil:**—12,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2387, opening June 6.

**Soda Ash:**—10,700 pounds; Chief of Engineers, Washington; invitation 198, opening June 4.

**Scouring Powder:**—17,000 pounds; various deliveries, Purchasing Agent, Post Office Department, Washington; invitation 300, opening June 9.

**Strontium Nitrate:**—12,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7035, opening June 6.

**Sulphuric Acid:**—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 6686, opening May 22.

**Wax, Carnauba:**—2,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7035, opening June 6.

## Navy Contracts Let

*OPD Washington Bureau*
*May 27, 1941*

The Bureau of Supplies and Accounts of the Navy Department today awarded contracts totaling $5,520,096.73. Among the items are the following:—

Alcohol, for smokeless powder, $64,106: Publicker Commercial Alcohol Company.

Ammonium picrate, $537,120: E. I. lu-Pont de Nemours & Co.

Aviation gasoline, $1,124,475: Richfield Oil Corporation.

Aviation gasoline, $93,937.04: Union Oil Company of California.

Aviation gasoline, $447,739.54: Standard Oil Company of California.

Aviation gasoline, $337,338: Shell Oil Company.

Phenolic resin, $18,700: Bakelite Corporation.

Quicksilver, $6,225: Quicksilver Producers Association.

Quicksilver, $14,136: International Mineral & Metal Corporation.

Tin, grade A pig, $291,536: Caswell Strauss & Co.

**Illinois-Indiana Petroleum** Association's ninth annual conference will be held June 7 at Robinson, Ill.

*Call Consolidated*
**for Hard-to-Find Equipment**
**Largest stock for your selection**

SPECIAL ITEMS FROM STOCK

2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
12—Vacuum Shelf Dryers, all sizes.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.s 2 gal. to 2,000 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
12—Ball Mills, 10 gal. to 500 gal.
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.; other smaller sizes.
1—No. 10 Sweetland Filter, 2" ee.; others all sizes.
14—Centrifugal Extractors, 10" to 60".
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.

Don't Forget our Regular Stock of the Finest Rebuilt Machinery and Equipment—Send for Complete Lists

**CONSOLIDATED PRODUCTS CO., Inc.**
13-18 Park Row - - New York, N.Y.
SHOPS, 135 Doremus Avenue, Newark, N. J.

## *Wartime Expediting*

*—Continued from page 60*

land and such orders can be canceled, for your supplier must necessarily follow that same procedure with his suppliers. This last statement may be taken to mean that the orderbooks of companies contain thousands of orders which in reality are not orders and are only adding to present shortages. So far, many of the shortages which exist are not too far extended, but possibly they will increase as the defense program grows more intense, but surely companies are not accepting such orders for future shipments if they do not believe there is a possibility of filling them.

The Good Book says, "As ye sow, ye shall also reap." Some are harvesting grain sown years ago and some are finding it hard to pick up chickenfeed. Buyer and seller markets also run in cycles and we will, some day, again be solicited for orders. Both buyer and seller should remember that old proverb and also, to paraphrase another, "A true friend is more to be desired than a priority."

Every man has a right to his opinion, this is mine, but I do not have the right to conclude that it alone is right.

## Goff Joins Huisking & Co.

Walter Goff, at one time assistant manager of the New York office of the Monsanto Chemical Company, St. Louis, has joined the sales organization of Charles L. Huisking & Co., drugs and chemicals, this city. He will be attached to the Chicago office of which Robert K. Roane is manager. Mr. Goff has served in the chemical trade for more than twenty years and is well acquainted with the Middle Western territory which he will cover for the Huisking organization.

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